CATALOG 2018

Pilot devices

The complete offering



ABB pilot devices are engineered for total reliability. Their innovative design simplify the entire process, from selection to installation. Enclosures, signal towers and signal beacons complete the portfolio.

Pilot devices
The complete offering

OVERVIEW
P.2

MODULAR RANGE
P.11

COMPACT RANGE
P.51

ENCLOSURES AND ASSEMBLED STATIONS
P.81

LEGEND PLATES AND TEXT CAPS
P.95

SIGNAL TOWERS AND SIGNAL BEACONS
P.101

GENERAL TECHNICAL DATA
P.109

INDEX
P.112

MARKETING MATERIALS
P. 128

1SFC151007C0201 - Edition April 2018

Pilot devices
Reliable in all applications

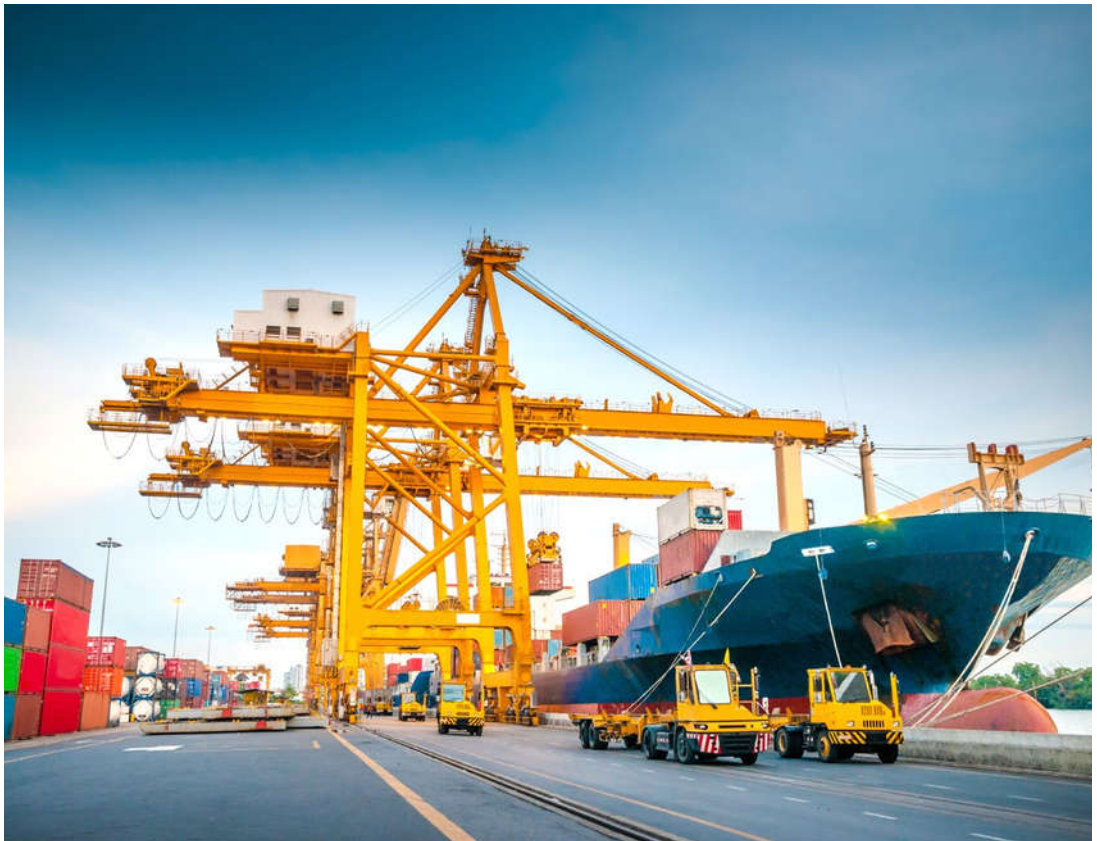
Whether it is installed in an EV charger or in the testing equipment of an elevator ABB pilot devices will work as a reliable interface for operators. They are designed and tested to withstand extreme environments.



—
01



—
02



—
03

—
01 Elevator
—
02 EV charging
—
03 Marine

A small upgrade that can make a big difference.

Trust is everything. And in industrial environments, it is essential to have human-machine interfaces you can count on. Whenever you start or stop a process, the response must be assured. That's why ABB pilot devices are designed and engineered to deliver total reliability.

Continuous production, maximum uptime and higher profits require exceptional process reliability.



—
04

When it comes to the safety of your people, dependability is essential.



—
05

—
04 Food and beverage
—
05 Marine and ports

The details matter. Work starts and stops with pilot devices and so does your productivity and safety. Rely on ABB pilot devices to perform when it matters the most.

1SPC151054S0201

Pilot devices

Reliable products, easy to select and install



ABB pilot devices are engineered for total reliability. Our products are tested to extremes and proven in the toughest environments. Their innovative design simplify the entire process, from selection to installation. Enclosures, signal towers and signal beacons complete the portfolio.

Continuous operation

Engineered for tough environments

ABB pilot devices are designed with protection degree of up to IP69K and 4X, guaranteeing reliability in extreme environments – making ABB pilot devices ideal for use in demanding industries such as construction and food and beverage. An innovative design that automatically cleans contacts ensures high reliability for all products.

Global availability

Simple selection and stock management

ABB's core offering includes the pilot devices most in demand, so product selection is easier, stock management is simpler and product availability is higher.

Support for exporters is world-class, thanks to ABB's standardized global range, certified to comply with all major international standards.

Easy to install

Save time and space

The unique design of ABB's modular range enables tool-free installation that is quick and simple.

It provides high flexibility for last-minute changes.

With its all-in-one construction, the compact range reduces installation space and saves time.

1SFC151001S0201

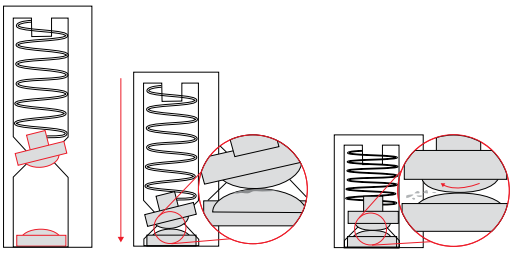
Pilot devices
Reliability that lasts

Continuous operation

Longer lifetime
- ABB pilot Devices are engineered and tested to sustain frequent use over time in any environment

High mechanical durability
- Tested to achieve mechanical life time of up to 10 million operations

Ensuring electric connectivity
- Self-cleaning contacts ensure reliable operation without the need for maintenance, increasing uptime



The built-in wiping mechanism cleans the contacts when operated to remove dust and oxidation on the contacts and improve conductivity.

Dust and water proof
All ABB pilot devices are impenetrable to dust and are extremely resistant to water exposure.

IP66
IP66-classed pilot devices can withstand high-pressure water jets and are suitable for tough outdoor use.

IP67
IP67-classed pilot devices can withstand immersion in one metre of water for 30 minutes. They are suitable for use in the harshest environments with water and dust.

IP69K
IP69K pilot devices can withstand both rough treatment and intensive, high-temperature cleaning. They are ideal for environments with high sanitary requirements, such as the food and beverage industry.

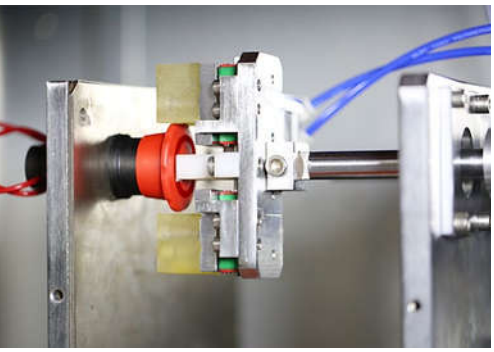
Find full test description in general technical data section.

—
01 Mechanical durability test
—
02 Total protection against any kind of dust
—
03 Powerful water jets projected against the front from a distance of 3 meters

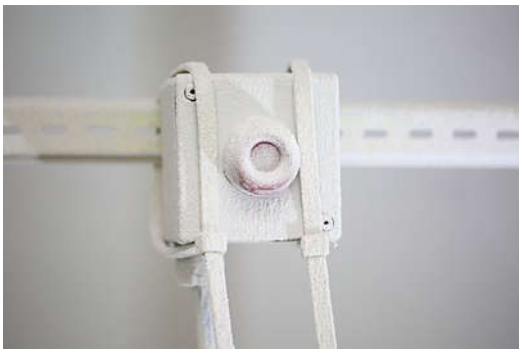
Testing that goes beyond the standards

Watch the video

—
Trust ABB to produce products that work in any environment.



—
01

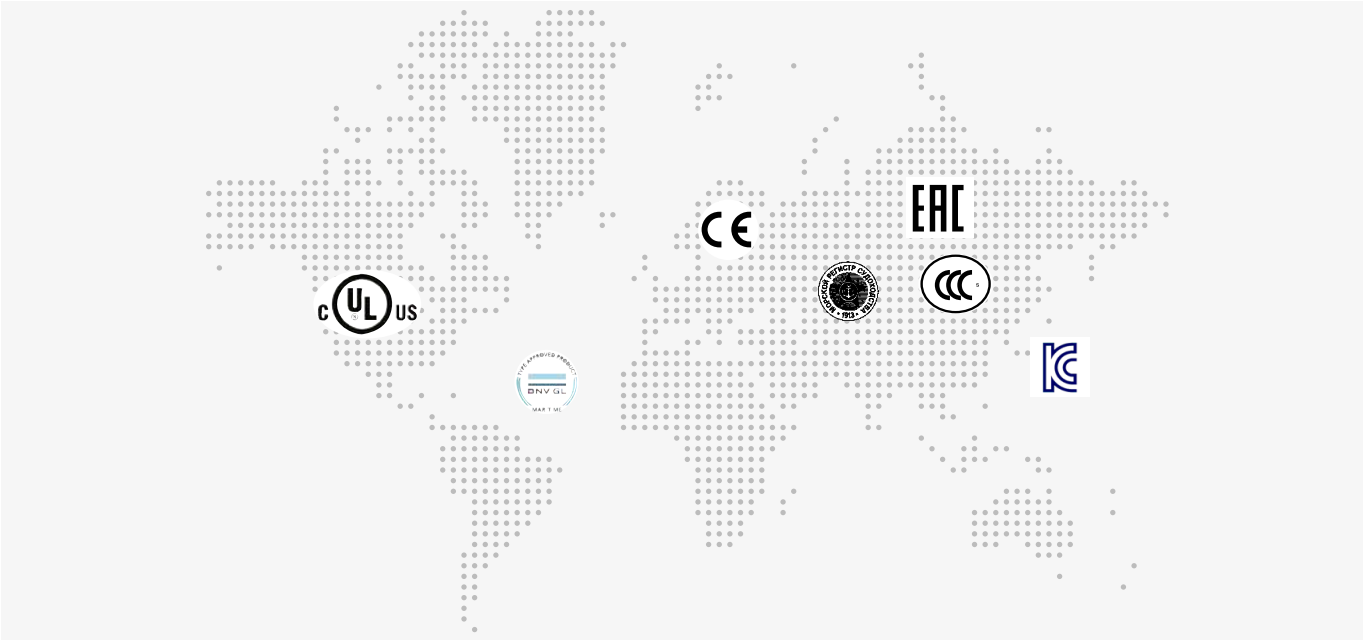


—
02



—
03

Pilot devices
Global quality, local support



Global availability

Available worldwide from ABB
Achieve truly global solutions
- Same products and quality all around the world
- Local support available everywhere with ABB's global distribution network
- All certificates and spare parts available globally.

Always the right solution with the wide range of LEDs
Save time and money on your projects with fewer order codes for your illuminated products.
With supply voltage of 6.3 V DC to 415 V AC for both modular and compact range, ABB covers all the needs with no additional transformers.

Easy to install

Reduce installation time by choosing between the flexible modular range and the all-in-one compact range of pilot devices.
Mixing and matching the two ranges enables faster and more flexible purchasing and design.
Fastening of the nut is tool-free and most accessories can be used for both ranges.

1SFC151002S0201

Modular range
Flexible configuration

A versatile selection of operators with high levels of flexibility and a broad choice of electrical ratings. Find the perfect solution for almost every application.


Pushbuttons


Heavy duty pushbuttons



Reset pushbuttons



Double pushbuttons


Mushroom pushbuttons


Emergency stop pushbuttons


Machine stop pushbuttons


Pilot lights

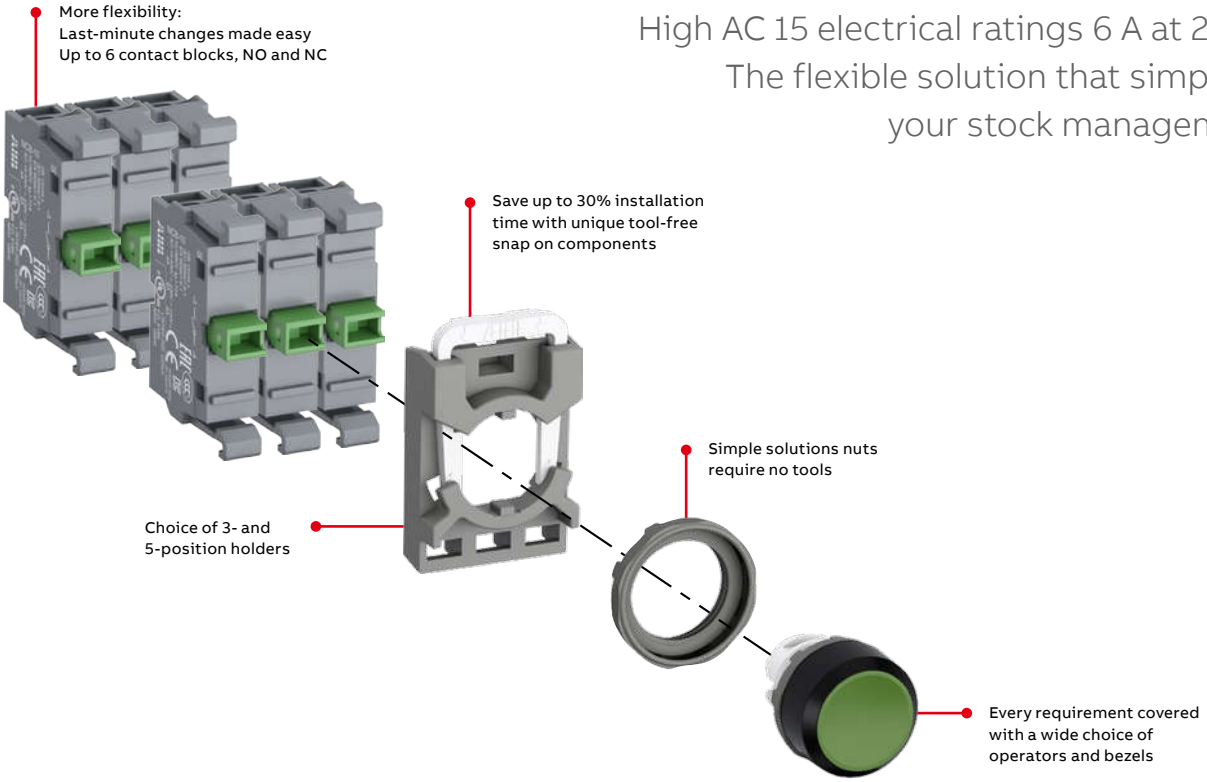

Key-operated selector switches


Joysticks


Selector switches


Potentiometers


Toggle switches



High AC 15 electrical ratings 6 A at 230 V. The flexible solution that simplifies your stock management.

1SFC151002S0201

Compact range
All-in-one solution

The most efficient solution available, reducing installation time and cost. The compact range have the highest level of dust and water resistance on the market.



Pushbuttons



Heavy duty pushbuttons



Mushroom pushbuttons



Emergency stop pushbuttons



Machine stop pushbuttons



Pilot lights



Selector switches



Buzzers

Fewer order codes make selection easy and save time.
All-in-one design makes installation fast.



Pilot devices
Modular range

Ordering details

12 Mounting instructions
13 Non-illuminated pushbuttons
15 Illuminated pushbuttons
17 Non-illuminated double pushbuttons
18 Illuminated double pushbuttons
20 Mushroom pushbuttons
21 Emergency stop pushbuttons
22 Machine stop pushbuttons
23 Heavy duty pushbuttons
23 Pilot lights
24 Non-illuminated selector switches
29 Illuminated selector switches
33 Key-operated selector switches
35 Potentiometers
36 Reset pushbuttons
37 Reset pushbuttons with shaft
38 Joysticks
39 Toggle switches

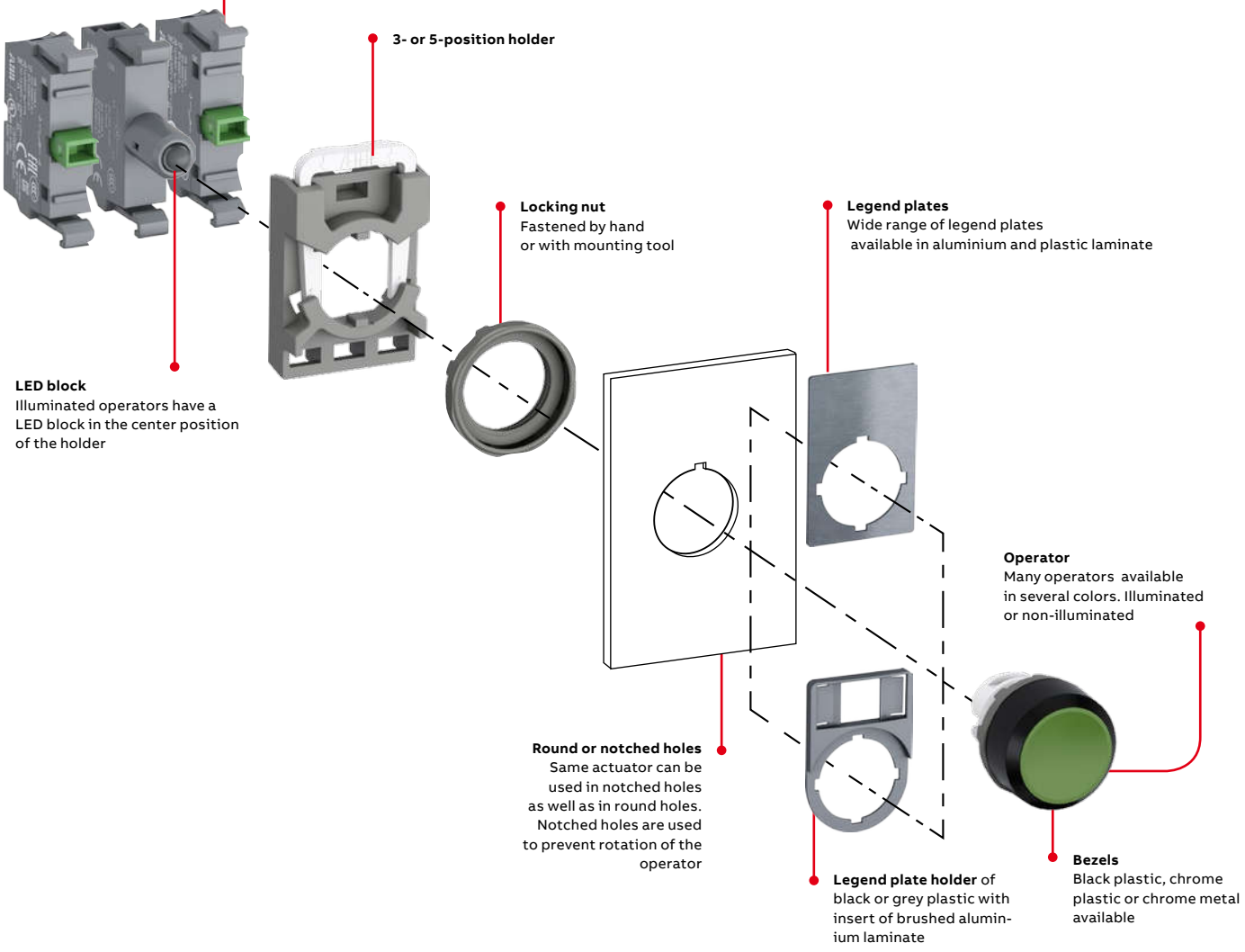
Accessories for modular range

40 Contact block configuration
41 Holders and contact blocks for front mounting
42 LED blocks for front mounting
44 Other accessories

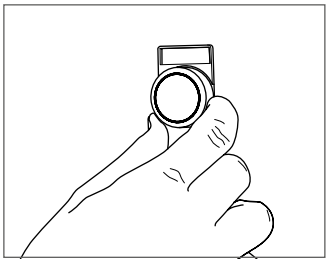
46 **Technical data**

50 **Drilling plan**

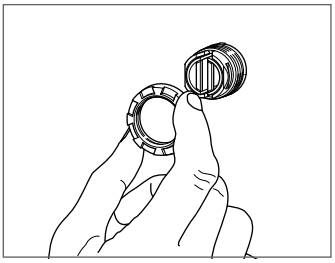
Modular range



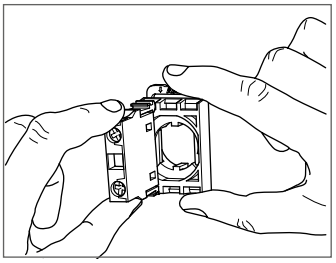
Easy to install



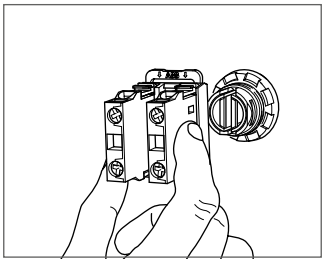
The operator is to be inserted from the front...



...and secured at the back with the nut.

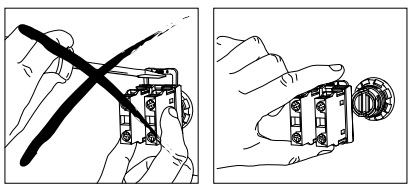


The contact blocks/LED block are then snapped on to the holder...



...and the holder snaps on to the operator.

...and to remove



Press down the spring on the holder and pull the holder from the actuator.

Simple and fast installation

Watch the video

1SFC151003S0201

Modular range

Non-illuminated flush pushbuttons


1SFC151004V0001

MP1-10R


1SFC151016V0001

MP1-10Y


1SFC151031V0001

MP1-30L


1SFC151015V0001

MP2-10G

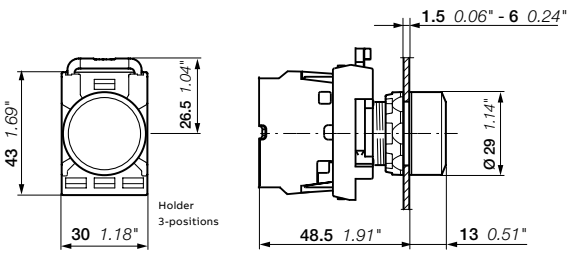

1SFC151018V0001

MP2-10W


1SFC151029V0001

MP2-20B

Operator	Bezel	Type	Order code	Pkg qty	Weight (1 pce) kg
Momentary					
● Red	Black plastic	MP1-10R	1SFA611100R1001	10	0.016
	Chrome plastic	MP1-20R	1SFA611100R2001	10	0.016
	Chrome metal	MP1-30R	1SFA611100R3001	10	0.026
● Green	Black plastic	MP1-10G	1SFA611100R1002	10	0.016
	Chrome plastic	MP1-20G	1SFA611100R2002	10	0.016
	Chrome metal	MP1-30G	1SFA611100R3002	10	0.026
● Yellow	Black plastic	MP1-10Y	1SFA611100R1003	10	0.016
	Chrome plastic	MP1-20Y	1SFA611100R2003	10	0.016
	Chrome metal	MP1-30Y	1SFA611100R3003	10	0.026
● Blue	Black plastic	MP1-10L	1SFA611100R1004	10	0.016
	Chrome plastic	MP1-20L	1SFA611100R2004	10	0.016
	Chrome metal	MP1-30L	1SFA611100R3004	10	0.026
○ White	Black plastic	MP1-10W	1SFA611100R1005	10	0.016
	Chrome plastic	MP1-20W	1SFA611100R2005	10	0.016
	Chrome metal	MP1-30W	1SFA611100R3005	10	0.026
● Black	Black plastic	MP1-10B	1SFA611100R1006	10	0.016
	Chrome plastic	MP1-20B	1SFA611100R2006	10	0.016
	Chrome metal	MP1-30B	1SFA611100R3006	10	0.026
○ Clear	Black plastic	MP1-10C	1SFA611100R1008	10	0.016
	Chrome plastic	MP1-20C	1SFA611100R2008	10	0.016
	Chrome metal	MP1-30C	1SFA611100R3008	10	0.026
Maintained					
● Red	Black plastic	MP2-10R	1SFA611101R1001	10	0.016
	Chrome plastic	MP2-20R	1SFA611101R2001	10	0.016
	Chrome metal	MP2-30R	1SFA611101R3001	10	0.026
● Green	Black plastic	MP2-10G	1SFA611101R1002	10	0.016
	Chrome plastic	MP2-20G	1SFA611101R2002	10	0.016
	Chrome metal	MP2-30G	1SFA611101R3002	10	0.026
● Yellow	Black plastic	MP2-10Y	1SFA611101R1003	10	0.016
	Chrome metal	MP2-30Y	1SFA611101R3003	10	0.026
● Blue	Black plastic	MP2-10L	1SFA611101R1004	10	0.016
	Chrome plastic	MP2-20L	1SFA611101R2004	10	0.016
	Chrome metal	MP2-30L	1SFA611101R3004	10	0.026
○ White	Black plastic	MP2-10W	1SFA611101R1005	10	0.016
	Chrome plastic	MP2-20W	1SFA611101R2005	10	0.016
● Black	Black plastic	MP2-10B	1SFA611101R1006	10	0.016
	Chrome plastic	MP2-20B	1SFA611101R2006	10	0.016
	Chrome metal	MP2-30B	1SFA611101R3006	10	0.026
○ Clear	Black plastic	MP2-10C	1SFA611101R1008	10	0.016



MP1, MP2

Dimensions (mm, inches)

Modular range

Non-illuminated extended pushbuttons


1SFC151006V0001

MP3-10R


1SFC151028V0001

MP3-20Y


1SFC151013V0001

MP3-10W


1SFC151353V0001

MP3-10C


1SFC151012V0001

MP4-10G

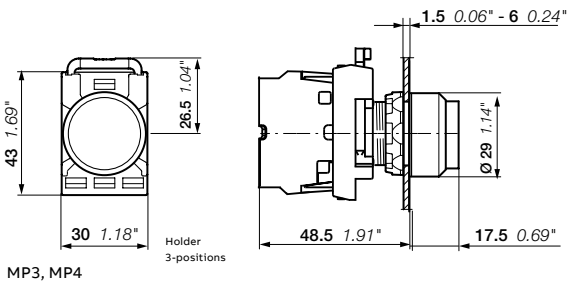

1SFC151019V0001

MP4-10L


1SFC151011V0001

MP4-10B

Operator	Bezel	Type	Order code	Pkg qty	Weight (1 pce) kg
Momentary					
● Red	Black plastic	MP3-10R	1SFA611102R1001	10	0.016
	Chrome plastic	MP3-20R	1SFA611102R2001	10	0.016
	Chrome metal	MP3-30R	1SFA611102R3001	10	0.026
● Green	Black plastic	MP3-10G	1SFA611102R1002	10	0.016
	Chrome plastic	MP3-20G	1SFA611102R2002	10	0.016
	Chrome metal	MP3-30G	1SFA611102R3002	10	0.026
● Yellow	Black plastic	MP3-10Y	1SFA611102R1003	10	0.016
	Chrome plastic	MP3-20Y	1SFA611102R2003	10	0.016
	Chrome metal	MP3-30Y	1SFA611102R3003	10	0.026
● Blue	Black plastic	MP3-10L	1SFA611102R1004	10	0.016
	Chrome plastic	MP3-20L	1SFA611102R2004	10	0.016
	Chrome metal	MP3-30L	1SFA611102R3004	10	0.026
○ White	Black plastic	MP3-10W	1SFA611102R1005	10	0.016
	Chrome plastic	MP3-20W	1SFA611102R2005	10	0.016
	Chrome metal	MP3-30W	1SFA611102R3005	10	0.026
● Black	Black plastic	MP3-10B	1SFA611102R1006	10	0.016
	Chrome plastic	MP3-20B	1SFA611102R2006	10	0.016
	Chrome metal	MP3-30B	1SFA611102R3006	10	0.026
○ Clear	Black plastic	MP3-10C	1SFA611102R1008	10	0.016
	Chrome metal	MP3-30C	1SFA611102R3008	10	0.026
Maintained					
● Red	Black plastic	MP4-10R	1SFA611103R1001	10	0.016
	Chrome plastic	MP4-20R	1SFA611103R2001	10	0.016
● Green	Black plastic	MP4-10G	1SFA611103R1002	10	0.016
	Chrome plastic	MP4-20G	1SFA611103R2002	10	0.016
	Chrome metal	MP4-30G	1SFA611103R3002	10	0.026
● Yellow	Black plastic	MP4-10Y	1SFA611103R1003	10	0.016
	Chrome plastic	MP4-20Y	1SFA611103R2003	10	0.016
● Blue	Black plastic	MP4-10L	1SFA611103R1004	10	0.016
	Chrome plastic	MP4-20L	1SFA611103R2004	10	0.016
○ White	Black plastic	MP4-10W	1SFA611103R1005	10	0.016
● Black	Black plastic	MP4-10B	1SFA611103R1006	10	0.016
	Chrome metal	MP4-30B	1SFA611103R3006	10	0.026
○ Clear	Black plastic	MP4-10C	1SFA611103R1008	10	0.016



MP3, MP4

Dimensions (mm, inches)

1SFC151005S0201

Modular range

Illuminated flush pushbuttons


1SFC151048V0001

MP1-31G


1SFC151042V0001

MP1-11Y


1SFC151045V0001

MP1-21L


1SFC151046V0001

MP2-31R

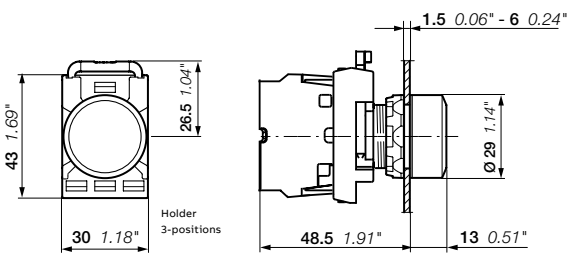

1SFC151040V0001

MP2-11L


1SFC151046V0001

MP2-11C

Operator	Bezel	Type	Order code	Pkg qty	Weight (1 pce) kg
Momentary					
● Red	Black plastic	MP1-11R	1SFA611100R1101	10	0.016
	Chrome plastic	MP1-21R	1SFA611100R2101	10	0.016
	Chrome metal	MP1-31R	1SFA611100R3101	10	0.026
● Green	Black plastic	MP1-11G	1SFA611100R1102	10	0.016
	Chrome plastic	MP1-21G	1SFA611100R2102	10	0.016
	Chrome metal	MP1-31G	1SFA611100R3102	10	0.026
● Yellow	Black plastic	MP1-11Y	1SFA611100R1103	10	0.016
	Chrome plastic	MP1-21Y	1SFA611100R2103	10	0.016
	Chrome metal	MP1-31Y	1SFA611100R3103	10	0.026
● Blue	Black plastic	MP1-11L	1SFA611100R1104	10	0.016
	Chrome plastic	MP1-21L	1SFA611100R2104	10	0.016
	Chrome metal	MP1-31L	1SFA611100R3104	10	0.026
○ White	Black plastic	MP1-11W	1SFA611100R1105	10	0.016
	Chrome plastic	MP1-21W	1SFA611100R2105	10	0.016
	Chrome metal	MP1-31W	1SFA611100R3105	10	0.026
○ Clear	Black plastic	MP1-11C	1SFA611100R1108	10	0.016
	Chrome plastic	MP1-21C	1SFA611100R2108	10	0.016
	Chrome metal	MP1-31C	1SFA611100R3108	10	0.026
Maintained					
● Red	Black plastic	MP2-11R	1SFA611101R1101	10	0.016
	Chrome plastic	MP2-21R	1SFA611101R2101	10	0.016
	Chrome metal	MP2-31R	1SFA611101R3101	10	0.026
● Green	Black plastic	MP2-11G	1SFA611101R1102	10	0.016
	Chrome plastic	MP2-21G	1SFA611101R2102	10	0.016
	Chrome metal	MP2-31G	1SFA611101R3102	10	0.026
● Yellow	Black plastic	MP2-11Y	1SFA611101R1103	10	0.016
	Chrome plastic	MP2-21Y	1SFA611101R2103	10	0.016
	Chrome metal	MP2-31Y	1SFA611101R3103	10	0.026
● Blue	Black plastic	MP2-11L	1SFA611101R1104	10	0.016
	Chrome plastic	MP2-21L	1SFA611101R2104	10	0.016
	Chrome metal	MP2-31L	1SFA611101R3104	10	0.026
○ White	Black plastic	MP2-11W	1SFA611101R1105	10	0.016
	Chrome plastic	MP2-21W	1SFA611101R2105	10	0.016
	Chrome metal	MP2-31W	1SFA611101R3105	10	0.026
○ Clear	Black plastic	MP2-11C	1SFA611101R1108	10	0.016
	Chrome metal	MP2-31C	1SFA611101R3108	10	0.026



MP1, MP2

Dimensions (mm, inches)

Modular range

Illuminated extended pushbuttons



MP3-11R



MP3-31G



MP3-11W



MP4-11Y

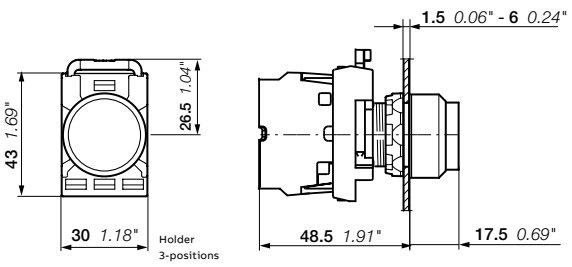


MP4-31L



MP4-21C

Operator	Bezel	Type	Order code	Pkg qty	Weight (1 pce) kg
Momentary					
● Red	Black plastic	MP3-11R	1SFA611102R1101	10	0.016
	Chrome plastic	MP3-21R	1SFA611102R2101	10	0.016
	Chrome metal	MP3-31R	1SFA611102R3101	10	0.026
● Green	Black plastic	MP3-11G	1SFA611102R1102	10	0.016
	Chrome plastic	MP3-21G	1SFA611102R2102	10	0.016
	Chrome metal	MP3-31G	1SFA611102R3102	10	0.026
● Yellow	Black plastic	MP3-11Y	1SFA611102R1103	10	0.016
	Chrome plastic	MP3-21Y	1SFA611102R2103	10	0.016
	Chrome metal	MP3-31Y	1SFA611102R3103	10	0.026
● Blue	Black plastic	MP3-11L	1SFA611102R1104	10	0.016
	Chrome plastic	MP3-21L	1SFA611102R2104	10	0.016
	Chrome metal	MP3-31L	1SFA611102R3104	10	0.026
○ White	Black plastic	MP3-11W	1SFA611102R1105	10	0.016
	Chrome plastic	MP3-21W	1SFA611102R2105	10	0.016
	Chrome metal	MP3-31W	1SFA611102R3105	10	0.026
○ Clear	Black plastic	MP3-11C	1SFA611102R1108	10	0.016
	Chrome plastic	MP3-21C	1SFA611102R2108	10	0.016
	Chrome metal	MP3-31C	1SFA611102R3108	10	0.026
Maintained					
● Red	Black plastic	MP4-11R	1SFA611103R1101	10	0.016
	Chrome plastic	MP4-21R	1SFA611103R2101	10	0.016
	Chrome metal	MP4-31R	1SFA611103R3101	10	0.026
● Green	Black plastic	MP4-11G	1SFA611103R1102	10	0.016
	Chrome plastic	MP4-21G	1SFA611103R2102	10	0.016
	Chrome metal	MP4-31G	1SFA611103R3102	10	0.026
● Yellow	Black plastic	MP4-11Y	1SFA611103R1103	10	0.016
	Chrome plastic	MP4-21Y	1SFA611103R2103	10	0.016
● Blue	Black plastic	MP4-11L	1SFA611103R1104	10	0.016
	Chrome plastic	MP4-21L	1SFA611103R2104	10	0.016
	Chrome metal	MP4-31L	1SFA611103R3104	10	0.026
○ White	Black plastic	MP4-11W	1SFA611103R1105	10	0.016
	Chrome plastic	MP4-21W	1SFA611103R2105	10	0.016
○ Clear	Black plastic	MP4-11C	1SFA611103R1108	10	0.016
	Chrome plastic	MP4-21C	1SFA611103R2108	10	0.016
	Chrome metal	MP4-31C	1SFA611103R3108	10	0.026



MP3, MP4

Dimensions (mm, inches)

Modular range

Non-illuminated double pushbuttons momentary



1SFC151050V0001

MPD1-11B



1SFC151051V0001

MPD5-11B



1SFC151056V0001

MPD13-11B



1SFC151058V0001

MPD15-11B

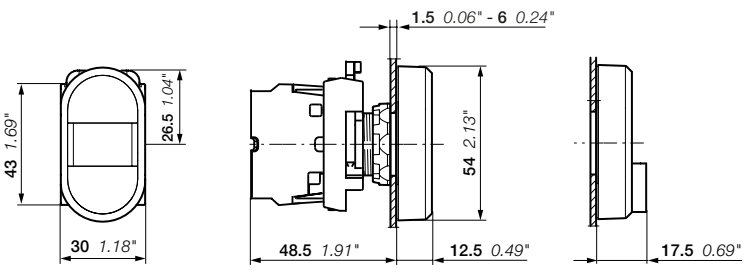


1SFC151341F0001

MA1-8139

Operator upper button	Operator lower button	Type	Order code	Pkg qty	Weight (1 pce) kg
Flush pushbutton					
● Green	**● Red**				
No text	No text	MPD1-11B	1SFA611130R1106	10	0.025
I	0	MPD2-11B	1SFA611131R1106	10	0.025
ON	OFF	MPD3-11B	1SFA611132R1106	10	0.025
START	STOP	MPD4-11B	1SFA611133R1106	10	0.025
○ White	**● Black**				
No text	No text	MPD5-11B	1SFA611134R1106	10	0.025
I	0	MPD6-11B	1SFA611135R1106	10	0.025
ON	OFF	MPD7-11B	1SFA611136R1106	10	0.025
START	STOP	MPD8-11B	1SFA611137R1106	10	0.025
● Black	**● Red**				
No text	No text	MPD9-11B	1SFA611138R1106	10	0.025
Extended lower pushbutton					
● Green	**● Red**				
No text	No text	MPD12-11B	1SFA611141R1106	10	0.025
I	0	MPD13-11B	1SFA611142R1106	10	0.025
ON	OFF	MPD14-11B	1SFA611143R1106	10	0.025
START	STOP	MPD15-11B	1SFA611144R1106	10	0.025
○ White	**● Black**				
No text	No text	MPD16-11B	1SFA611145R1106	10	0.025
I	0	MPD17-11B	1SFA611146R1106	10	0.025
ON	OFF	MPD18-11B	1SFA611147R1106	10	0.025
START	STOP	MPD19-11B	1SFA611148R1106	10	0.025
Accessories					
Legend plate holder					
2-position		MA1-8139	1SFA611920R8139	10	0.030

Note: Insert not included. Suitable for insert size 27 x 15 mm. Refer to Legend plates section.



MPD

Dimensions (mm, inches)

1SFC151008S0201

Modular range

Illuminated double pushbuttons momentary - Flush lower button



1SFC151088V0001

MPD4-11C


1SFC151100V0001

MPD5-11C



1SFC151078V0001

MPD2-11R



1SFC151083V0001

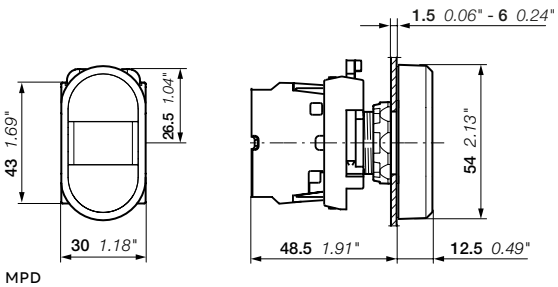
MDP3-11G


1SFC151341F0001

MA1-8139

Operator upper button	Operator lower button	Type	Order code	Pkg qty	Weight (1 pce) kg
Clear light indicator					
● **Green**	● **Red**				
No text	No text	MPD1-11C	1SFA611130R1108	10	0.025
I	0	MPD2-11C	1SFA611131R1108	10	0.025
ON	OFF	MPD3-11C	1SFA611132R1108	10	0.025
START	STOP	MPD4-11C	1SFA611133R1108	10	0.025
○ **White**	● **Black**				
No text	No text	MPD5-11C	1SFA611134R1108	10	0.025
I	0	MPD6-11C	1SFA611135R1108	10	0.025
START	STOP	MPD8-11C	1SFA611137R1108	10	0.025
Red light indicator					
● **Green**	● **Red**				
No text	No text	MPD1-11R	1SFA611130R1101	10	0.025
I	0	MPD2-11R	1SFA611131R1101	10	0.025
ON	OFF	MPD3-11R	1SFA611132R1101	10	0.025
START	STOP	MPD4-11R	1SFA611133R1101	10	0.025
○ **White**	● **Black**				
No text	No text	MPD5-11R	1SFA611134R1101	10	0.025
Green light indicator					
● **Green**	● **Red**				
No text	No text	MPD1-11G	1SFA611130R1102	10	0.025
I	0	MPD2-11G	1SFA611131R1102	10	0.025
ON	OFF	MPD3-11G	1SFA611132R1102	10	0.025
START	STOP	MPD4-11G	1SFA611133R1102	10	0.025
○ **White**	● **Black**				
No text	No text	MPD5-11G	1SFA611134R1102	10	0.025
I	0	MPD6-11G	1SFA611135R1102	10	0.025
ON	OFF	MPD7-11G	1SFA611136R1102	10	0.025
START	STOP	MPD8-11G	1SFA611137R1102	10	0.025
Yellow light indicator					
● **Green**	● **Red**				
No text	No text	MPD1-11Y	1SFA611130R1103	10	0.025
I	0	MPD2-11Y	1SFA611131R1103	10	0.025
ON	OFF	MPD3-11Y	1SFA611132R1103	10	0.025
START	STOP	MPD4-11Y	1SFA611133R1103	10	0.025
○ **White**	● **Black**				
No text	No text	MPD5-11Y	1SFA611134R1103	10	0.025
Accessories					
Legend plate holder					
2-position		MA1-8139	1SFA611920R8139	10	0.030

Note: Insert not included. Suitable for insert size 27 x 15 mm. Refer to Legend plates section.



MPD

Dimensions (mm, inches)

Modular range

Illuminated double pushbuttons momentary - Extended lower button



MPD12-11C



MPD14-11C



MDP13-11R



MDP14-11G



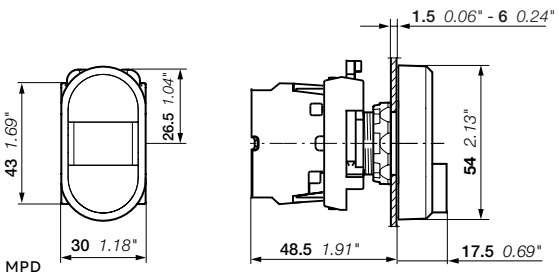
MDP12-11Y



MA1-8139

Operator upper button	Operator lower button	Type	Order code	Pkg qty	Weight (1 pce) kg
Clear light indicator					
● **Green**	● **Red**				
No text	No text	MPD12-11C	1SFA611141R1108	10	0.025
I	0	MPD13-11C	1SFA611142R1108	10	0.025
ON	OFF	MPD14-11C	1SFA611143R1108	10	0.025
START	STOP	MPD15-11C	1SFA611144R1108	10	0.025
○ **White**	● **Black**				
No text	No text	MPD16-11C	1SFA611145R1108	10	0.025
I	0	MPD17-11C	1SFA611146R1108	10	0.025
START	STOP	MPD19-11C	1SFA611148R1108	10	0.025
Red light indicator					
● **Green**	● **Red**				
No text	No text	MPD12-11R	1SFA611141R1101	10	0.025
I	0	MPD13-11R	1SFA611142R1101	10	0.025
ON	OFF	MPD14-11R	1SFA611143R1101	10	0.025
START	STOP	MPD15-11R	1SFA611144R1101	10	0.025
○ **White**	● **Black**				
No text	No text	MPD16-11R	1SFA611145R1101	10	0.025
Green light indicator					
● **Green**	● **Red**				
No text	No text	MPD12-11G	1SFA611141R1102	10	0.025
I	0	MPD13-11G	1SFA611142R1102	10	0.025
ON	OFF	MPD14-11G	1SFA611143R1102	10	0.025
START	STOP	MPD15-11G	1SFA611144R1102	10	0.025
○ **White**	● **Black**				
No text	No text	MPD16-11G	1SFA611145R1102	10	0.025
I	0	MPD17-11G	1SFA611146R1102	10	0.025
START	STOP	MPD19-11G	1SFA611148R1102	10	0.025
Yellow light indicator					
● **Green**	● **Red**				
No text	No text	MPD12-11Y	1SFA611141R1103	10	0.025
I	0	MPD13-11Y	1SFA611142R1103	10	0.025
ON	OFF	MPD14-11Y	1SFA611143R1103	10	0.025
START	STOP	MPD15-11Y	1SFA611144R1103	10	0.025
○ **White**	● **Black**				
No text	No text	MPD16-11Y	1SFA611145R1103	10	0.025
I	0	MPD17-11Y	1SFA611146R1103	10	0.025
Accessories					
Legend plate holder					
2-position		MA1-8139	1SFA611920R8139	1	0.030

Note: Insert not included. Suitable for insert size 27 x 15 mm. Refer to Legend plates section.



MPD

Dimensions (mm, inches)

Modular range

Mushroom pushbuttons momentary


1SFC151007V0001

MPM1-10G


1SFC151010V0001

MPM1-10B


1SFC151073V0001

MPM2-10R


1SFC151074V0001

MPM2-10Y

Non illuminated

Operator	Type	Order code	Pkg qty	Weight (1 pce) kg
Ø 40 mm				
Red	MPM1-10R	1SFA611124R1001	10	0.018
Green	MPM1-10G	1SFA611124R1002	10	0.018
Yellow	MPM1-10Y	1SFA611124R1003	10	0.018
Black	MPM1-10B	1SFA611124R1006	10	0.018
Ø 60 mm				
Red	MPM2-10R	1SFA611125R1001	10	0.020
Yellow	MPM2-10Y	1SFA611125R1003	10	0.020
Black	MPM2-10B	1SFA611125R1006	10	0.020


1SFC151173V0001

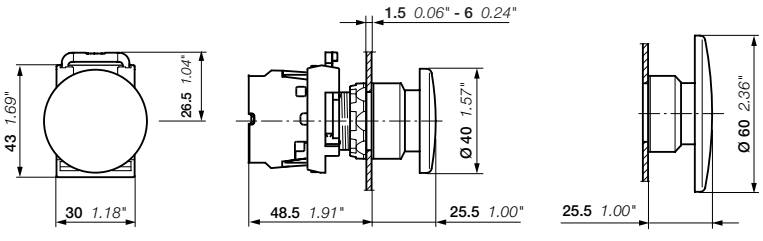
MPM1-11G


1SFC151155V0001

MPM2-11R

Illuminated

Operator	Type	Order code	Pkg qty	Weight (1 pce) kg
Ø 40 mm				
Red	MPM1-11R	1SFA611124R1101	10	0.018
Green	MPM1-11G	1SFA611124R1102	10	0.018
Yellow	MPM1-11Y	1SFA611124R1103	10	0.018
Ø 60 mm				
Red	MPM2-11R	1SFA611125R1101	10	0.020
Yellow	MPM2-11Y	1SFA611125R1103	10	0.020



MPM1, MPM2

Dimensions (mm, inches)

1SFC151010S0201

Modular range

Emergency stop pushbuttons


1SFC151070V0001

MPET3-10R


1SFC151108V0001

MPEK3-10R


1SFC151098V0001

MPET4-10R


1SFC151106V0001

MPMP4-10R

Non illuminated

The emergency stops pushbuttons conform to the standard EN/IEC 60947-5-5, Safety of machinery EN/ISO 13850, IEC 60204-1 and to Machinery directive 2006/42/EC.

Operator	Release method	Type	Order code	Pkg qty	Weight (1 pce) kg
Ø 30 mm					
Red	Twist release	MPET3-10R	1SFA611520R1001	1	0.036
Red	Pull release	MPEP3-10R	1SFA611521R1001	1	0.036
Red	Key code 455	MPEK3-11R	1SFA611522R1101	1	0.065
Red	Key code 421	MPEK3-12R	1SFA611522R1201	1	0.065
Red	Key code 3433-E	MPEK3-13R	1SFA611522R1301	1	0.065
Ø 40 mm					
Red	Twist release	MPET4-10R	1SFA611523R1001	1	0.036
Red	Pull release	MPEP4-10R	1SFA611524R1001	1	0.036
Red	Key code 455	MPEK4-11R	1SFA611525R1101	1	0.065
Red	Key code 421	MPEK4-12R	1SFA611525R1201	1	0.065
Red	Key code 3433-E	MPEK4-13R	1SFA611525R1301	1	0.065
Ø 60 mm					
Red	Twist release	MPMT4-10R	1SFA611513R1001	1	0.048
Red	Pull release	MPMP4-10R	1SFA611514R1001	1	0.048


1SFC151103V0001

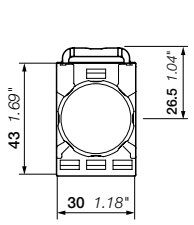
MPMP3-11R

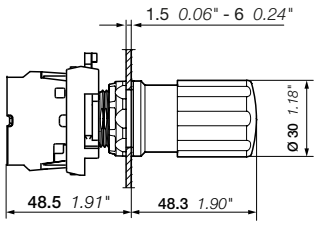

1SFC151105V0001

MPMT4-11R

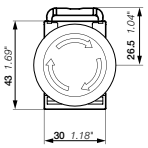
Illuminated

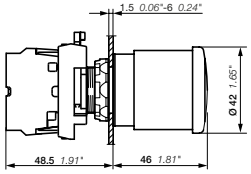
Operator	Release method	Type	Order code	Pkg qty	Weight (1 pce) kg
Ø 40 mm					
Red	Twist release	MPMT3-11R	1SFA611510R1101	1	0.041
Red	Pull release	MPMP3-11R	1SFA611511R1101	1	0.041
Ø 60 mm					
Red	Twist release	MPMT4-11R	1SFA611513R1101	1	0.048
Red	Pull release	MPMP4-11R	1SFA611514R1101	1	0.048



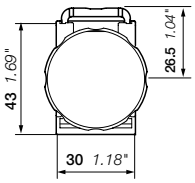


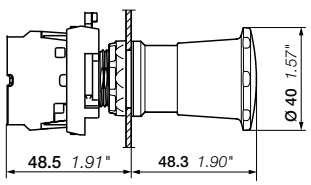
MPET3, MPEP3



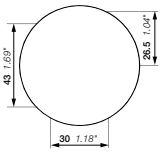


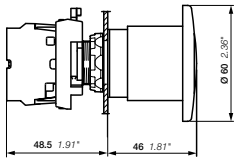
MPMT3, MPMP3





MPET4, MPEP4





MPMT4, MPMP4

Dimensions (mm, inches)

1SFC151015O201

Modular range

Machine stop pushbuttons



MPET3-10B



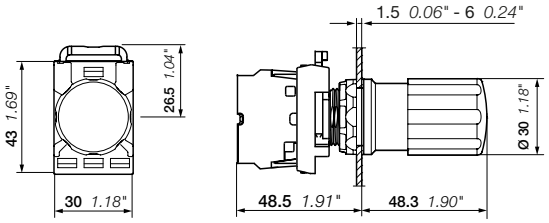
MPET4-10B



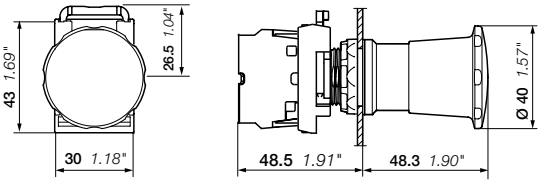
MPEK4-11B

Non illuminated

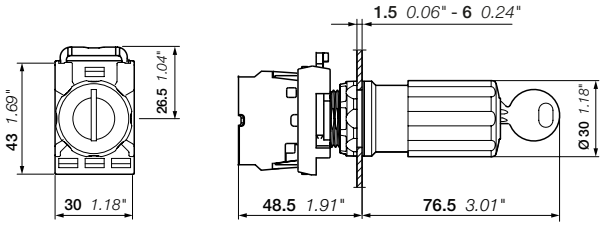
Operator	Release method	Type	Order code	Pkg qty	Weight (1 pce) kg
Ø 30 mm					
● Black	Twist release	MPET3-10B	1SFA611520R1006	1	0.036
● Black	Pull release	MPEP3-10B	1SFA611521R1006	1	0.036
● Black	Key code 455	MPEK3-11B	1SFA611522R1106	1	0.065
Ø 40 mm					
● Black	Twist release	MPET4-10B	1SFA611523R1006	1	0.036
● Black	Pull release	MPEP4-10B	1SFA611524R1006	1	0.036
● Black	Key code 455	MPEK4-11B	1SFA611525R1106	1	0.065



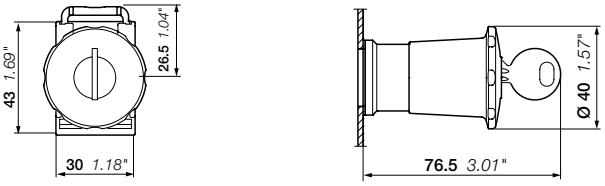
MPET3, MPEP3



MPET4, MPEP4



MPEK3



MPEK4

Dimensions (mm, inches)

Modular range

Heavy duty pushbuttons


1SFC151335V0001

KP6-40R


1SFC151336V0001

KP6-40G

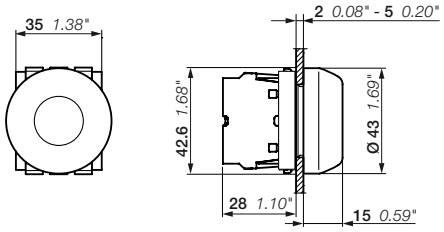

1SFC151337V0001

KP6-40B

Description

For 30 mm mounting hole, 3-position holder included

Color	Type	Order code	Pkg qty	Weight (1 pce) kg
Red	KP6-40R	1SFA616105R4001	1	0.028
Green	KP6-40G	1SFA616105R4002	1	0.028
Black	KP6-40B	1SFA616105R4006	1	0.028



KP6

Modular range

Pilot lights


1SFC151134V0001

ML1-100R


1SFC151135V0001

ML1-100G


1SFC151136V0001

ML1-100Y


1SFC151138V0001

ML1-100C


1SFC151137V0001

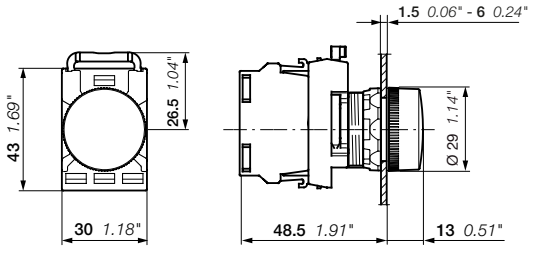
ML1-100L

Color	Type	Order code	Pkg qty	Weight (1 pce) kg
Red	ML1-100R	1SFA611400R1001	10	0.018
Green	ML1-100G	1SFA611400R1002	10	0.018
Yellow	ML1-100Y	1SFA611400R1003	10	0.018
Blue	ML1-100L	1SFA611400R1004	10	0.018
White	ML1-100W	1SFA611400R1005	10	0.018
Clear	ML1-100C	1SFA611400R1008	10	0.018

Lens

Light diffusing lens	KA1-8005	1SFA616920R8005	10	0.001

Note: Light diffusing lens is used to improve spread of illumination from LED blocks. Cannot be used together with text cap.



ML1

Dimensions (mm, inches)

Modular range

Non-illuminated selector switches - 2-position - Short handle



M2SS1-10R



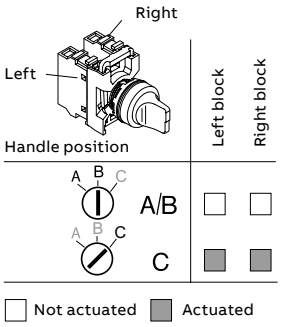
M2SS1-30B

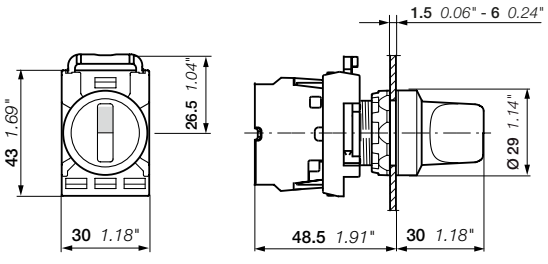


M2SS1-10U

Operating principle	Color	Bezel	Type	Order code	Pkg qty	Weight (1 pce) kg
B C	Red	Black plastic	M2SS1-10R	1SFA611200R1001	10	0.015
		Chrome plastic	M2SS1-20R	1SFA611200R2001	10	0.015
		Chrome metal	M2SS1-30R	1SFA611200R3001	10	0.024
	Black	Black plastic	M2SS1-10B	1SFA611200R1006	10	0.015
		Chrome plastic	M2SS1-20B	1SFA611200R2006	10	0.015
		Chrome metal	M2SS1-30B	1SFA611200R3006	10	0.024
	Grey	Black plastic	M2SS1-10U	1SFA611200R1007	10	0.015
		Chrome plastic	M2SS1-20U	1SFA611200R2007	10	0.015
A C	Red	Black plastic	M2SS2-10R	1SFA611201R1001	10	0.015
		Chrome plastic	M2SS2-20R	1SFA611201R2001	10	0.015
		Chrome metal	M2SS2-30R	1SFA611201R3001	10	0.024
	Black	Black plastic	M2SS2-10B	1SFA611201R1006	10	0.015
		Chrome plastic	M2SS2-20B	1SFA611201R2006	10	0.015
		Chrome metal	M2SS2-30B	1SFA611201R3006	10	0.024
	Grey	Black plastic	M2SS2-10U	1SFA611201R1007	10	0.015
		Chrome plastic	M2SS2-20U	1SFA611201R2007	10	0.015
		Chrome metal	M2SS2-30U	1SFA611201R3007	10	0.024
B C	Red	Black plastic	M2SS3-10R	1SFA611202R1001	10	0.015
		Chrome plastic	M2SS3-20R	1SFA611202R2001	10	0.015
		Chrome metal	M2SS3-30R	1SFA611202R3001	10	0.024
	Black	Black plastic	M2SS3-10B	1SFA611202R1006	10	0.015
		Chrome plastic	M2SS3-20B	1SFA611202R2006	10	0.015
		Chrome metal	M2SS3-30B	1SFA611202R3006	10	0.024
	Grey	Black plastic	M2SS3-10U	1SFA611202R1007	10	0.015
		Chrome plastic	M2SS3-20U	1SFA611202R2007	10	0.015

Contacts actuated





M2SS

Dimensions (mm, inches)

Modular range

Non-illuminated selector switches - 2-position - Long handle



M2SS4-10R



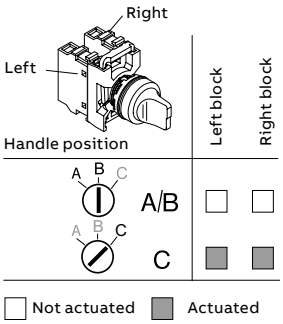
M2SS4-30B

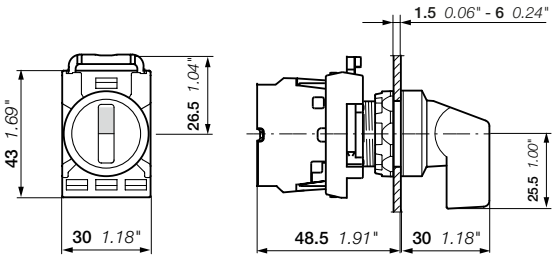


M2SS4-10U

Operating principle	Color	Bezel	Type	Order code	Pkg qty	Weight (1 pce) kg
B C	● Red	Black plastic	M2SS4-10R	1SFA611203R1001	10	0.018
		Chrome plastic	M2SS4-20R	1SFA611203R2001	10	0.018
	● Black	Black plastic	M2SS4-10B	1SFA611203R1006	10	0.018
		Chrome plastic	M2SS4-20B	1SFA611203R2006	10	0.018
		Chrome metal	M2SS4-30B	1SFA611203R3006	10	0.027
	● Grey	Black plastic	M2SS4-10U	1SFA611203R1007	10	0.018
		Chrome plastic	M2SS4-20U	1SFA611203R2007	10	0.018
A C	● Red	Black plastic	M2SS5-10R	1SFA611204R1001	10	0.018
		Chrome plastic	M2SS5-20R	1SFA611204R2001	10	0.018
		Chrome metal	M2SS5-30R	1SFA611204R3001	10	0.027
	● Black	Black plastic	M2SS5-10B	1SFA611204R1006	10	0.018
		Chrome plastic	M2SS5-20B	1SFA611204R2006	10	0.018
		Chrome metal	M2SS5-30B	1SFA611204R3006	10	0.027
	● Grey	Black plastic	M2SS5-10U	1SFA611204R1007	10	0.018
		Chrome plastic	M2SS5-20U	1SFA611204R2007	10	0.018
B C	● Red	Black plastic	M2SS6-10R	1SFA611205R1001	10	0.018
	● Black	Black plastic	M2SS6-10B	1SFA611205R1006	10	0.018
		Chrome plastic	M2SS6-20B	1SFA611205R2006	10	0.018
		Chrome metal	M2SS6-30B	1SFA611205R3006	10	0.027
	● Grey	Black plastic	M2SS6-10U	1SFA611205R1007	10	0.018
		Chrome plastic	M2SS6-20U	1SFA611205R2007	10	0.018

Contacts actuated





M2SS

Dimensions (mm, inches)

Modular range

Non-illuminated selector switches - 3-position - Short handle



M3SS1-30R



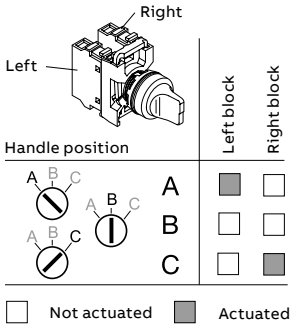
M3SS2-10B

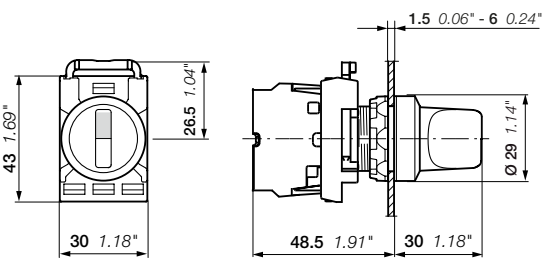


M3SS3-10U

Operating principle	Color	Bezel	Type	Order code	Pkg qty	Weight (1 pce) kg
	● Red	Black plastic	M3SS1-10R	1SFA611210R1001	10	0.015
		Chrome plastic	M3SS1-20R	1SFA611210R2001	10	0.015
		Chrome metal	M3SS1-30R	1SFA611210R3001	10	0.024
	● Black	Black plastic	M3SS1-10B	1SFA611210R1006	10	0.015
		Chrome plastic	M3SS1-20B	1SFA611210R2006	10	0.015
		Chrome metal	M3SS1-30B	1SFA611210R3006	10	0.024
	● Grey	Black plastic	M3SS1-10U	1SFA611210R1007	10	0.015
		Chrome plastic	M3SS1-20U	1SFA611210R2007	10	0.015
		Chrome metal	M3SS1-30U	1SFA611210R3007	10	0.024
	● Red	Black plastic	M3SS2-10R	1SFA611211R1001	10	0.015
		Chrome plastic	M3SS2-20R	1SFA611211R2001	10	0.015
		Chrome metal	M3SS2-30R	1SFA611211R3001	10	0.024
	● Black	Black plastic	M3SS2-10B	1SFA611211R1006	10	0.015
		Chrome plastic	M3SS2-20B	1SFA611211R2006	10	0.015
		Chrome metal	M3SS2-30B	1SFA611211R3006	10	0.024
	● Grey	Black plastic	M3SS2-10U	1SFA611211R1007	10	0.015
		Chrome plastic	M3SS2-20U	1SFA611211R2007	10	0.015
	● Red	Black plastic	M3SS3-10R	1SFA611212R1001	10	0.015
	● Black	Black plastic	M3SS3-10B	1SFA611212R1006	10	0.015
		Chrome plastic	M3SS3-20B	1SFA611212R2006	10	0.015
		Chrome metal	M3SS3-30B	1SFA611212R3006	10	0.024
	● Grey	Black plastic	M3SS3-10U	1SFA611212R1007	10	0.015
		Chrome plastic	M3SS3-20U	1SFA611212R2007	10	0.015
	● Red	Black plastic	M3SS7-10R	1SFA611216R1001	10	0.015
		Chrome plastic	M3SS7-20R	1SFA611216R2001	10	0.015
	● Black	Black plastic	M3SS7-10B	1SFA611216R1006	10	0.015
		Chrome plastic	M3SS7-20B	1SFA611216R2006	10	0.015
		Chrome metal	M3SS7-30B	1SFA611216R3006	10	0.024
	● Grey	Black plastic	M3SS7-10U	1SFA611216R1007	10	0.015

Contacts actuated





M3SS

Dimensions (mm, inches)

Modular range

Non-illuminated selector switches - 3-position - Long handle



M3SS4-10R



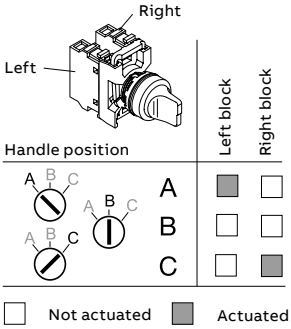
M3SS5-30B

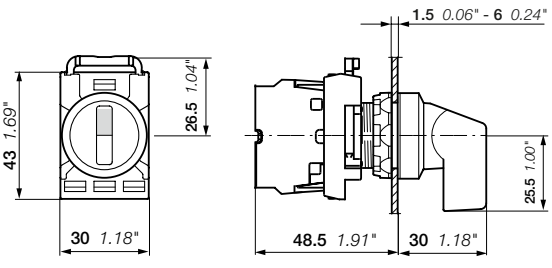


M3SS6-10U

Operating principle	Color	Bezel	Type	Order code	Pkg qty	Weight (1 pce) kg
	● Red	Black plastic	M3SS4-10R	1SFA611213R1001	10	0.018
		Chrome plastic	M3SS4-20R	1SFA611213R2001	10	0.018
	● Black	Black plastic	M3SS4-10B	1SFA611213R1006	10	0.018
		Chrome plastic	M3SS4-20B	1SFA611213R2006	10	0.018
		Chrome metal	M3SS4-30B	1SFA611213R3006	10	0.027
	● Grey	Black plastic	M3SS4-10U	1SFA611213R1007	10	0.018
		Chrome plastic	M3SS4-20U	1SFA611213R2007	10	0.018
	● Red	Black plastic	M3SS5-10R	1SFA611214R1001	10	0.018
		Chrome metal	M3SS5-30R	1SFA611214R3001	10	0.018
	● Black	Black plastic	M3SS5-10B	1SFA611214R1006	10	0.018
		Chrome plastic	M3SS5-20B	1SFA611214R2006	10	0.018
		Chrome metal	M3SS5-30B	1SFA611214R3006	10	0.027
	● Grey	Black plastic	M3SS5-10U	1SFA611214R1007	10	0.018
		Chrome plastic	M3SS5-20U	1SFA611214R2007	10	0.018
	● Red	Black plastic	M3SS6-10R	1SFA611215R1001	10	0.018
	● Black	Black plastic	M3SS6-10B	1SFA611215R1006	10	0.018
		Chrome plastic	M3SS6-20B	1SFA611215R2006	10	0.018
		Chrome metal	M3SS6-30B	1SFA611215R3006	10	0.027
	● Grey	Black plastic	M3SS6-10U	1SFA611215R1007	10	0.018
	● Red	Black plastic	M3SS8-10R	1SFA611217R1001	10	0.018
	● Black	Black plastic	M3SS8-10B	1SFA611217R1006	10	0.018
		Chrome plastic	M3SS8-20B	1SFA611217R2006	10	0.018
		Chrome metal	M3SS8-30B	1SFA611217R3006	10	0.027
	● Grey	Black plastic	M3SS8-10U	1SFA611217R1007	10	0.018

Contacts actuated





M3SS

Dimensions (mm, inches)

Modular range

Non-illuminated selector switches - 3-position - Short handle



M3SSC1-10B

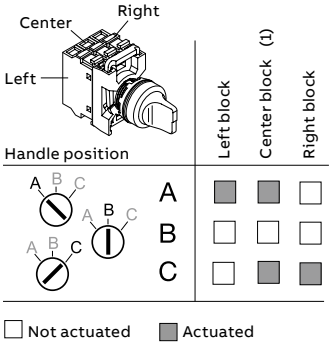


M3SSC3-30B

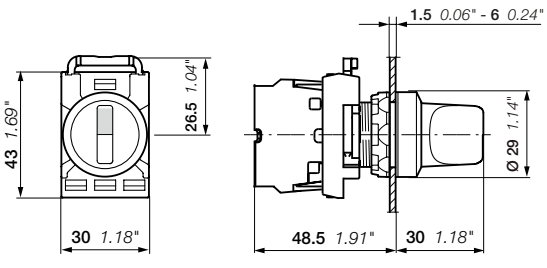
Center block operating

Operating principle	Color	Bezel	Type	Order code	Pkg qty	Weight (1 pce) kg
A B C	● Black	Black plastic	M3SSC1-10B	1SFA611250R1006	10	0.015
		Chrome metal	M3SSC1-30B	1SFA611250R3006	10	0.024
A B C	● Black	Black plastic	M3SSC2-10B	1SFA611251R1006	10	0.015
		Chrome metal	M3SSC2-30B	1SFA611251R3006	10	0.024
A B C	● Black	Black plastic	M3SSC3-10B	1SFA611252R1006	10	0.015
		Chrome metal	M3SSC3-30B	1SFA611252R3006	10	0.024
A B C	● Black	Black plastic	M3SSC7-10B	1SFA611256R1006	10	0.015
		Chrome metal	M3SSC7-30B	1SFA611256R3006	10	0.024

Contacts actuated



(1) To connect 3 separate circuits, one to each position ABC, use 1 NO in left position and right position and 1 NC in center position.



M3SSC

Dimensions (mm, inches)

Modular range

Illuminated selector switches - 2-position - Short handle



M2SS1-11R



1SFC151145V0001

M2SS1-31G



1SFC151140V0001

M2SS2-11Y



1SFC151142V0001

M2SS2-11L

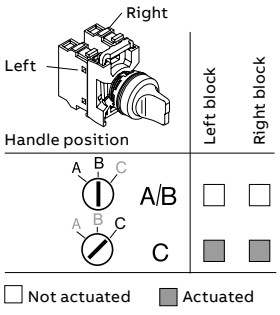


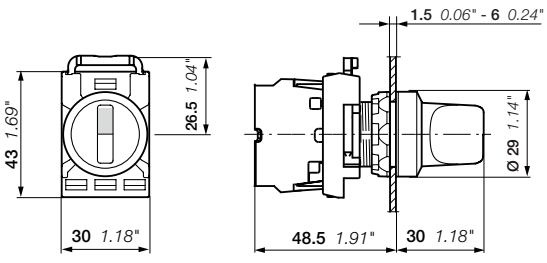
1SFC151143V0001

M2SS3-11C

Operating principle	Color	Bezel	Type	Order code	Pkg qty	Weight (1 pce) kg
B C	Red	Black plastic	M2SS1-11R	1SFA611200R1101	10	0.015
		Chrome plastic	M2SS1-21R	1SFA611200R2101	10	0.015
		Chrome metal	M2SS1-31R	1SFA611200R3101	10	0.024
	Green	Black plastic	M2SS1-11G	1SFA611200R1102	10	0.015
		Chrome plastic	M2SS1-21G	1SFA611200R2102	10	0.015
		Chrome metal	M2SS1-31G	1SFA611200R3102	10	0.024
	Yellow	Black plastic	M2SS1-11Y	1SFA611200R1103	10	0.015
		Chrome plastic	M2SS1-21Y	1SFA611200R2103	10	0.015
		Chrome metal	M2SS1-31Y	1SFA611200R3103	10	0.024
	Blue	Black plastic	M2SS1-11L	1SFA611200R1104	10	0.015
		Chrome plastic	M2SS1-21L	1SFA611200R2104	10	0.015
	Clear	Black plastic	M2SS1-11C	1SFA611200R1108	10	0.015
		Chrome plastic	M2SS1-21C	1SFA611200R2108	10	0.015
		Chrome metal	M2SS1-31C	1SFA611200R3108	10	0.024
A C	Red	Black plastic	M2SS2-11R	1SFA611201R1101	10	0.015
		Chrome plastic	M2SS2-21R	1SFA611201R2101	10	0.015
		Chrome metal	M2SS2-31R	1SFA611201R3101	10	0.024
	Green	Black plastic	M2SS2-11G	1SFA611201R1102	10	0.015
		Chrome plastic	M2SS2-21G	1SFA611201R2102	10	0.015
		Chrome metal	M2SS2-31G	1SFA611201R3102	10	0.024
	Yellow	Black plastic	M2SS2-11Y	1SFA611201R1103	10	0.015
		Chrome plastic	M2SS2-21Y	1SFA611201R2103	10	0.015
		Chrome metal	M2SS2-31Y	1SFA611201R3103	10	0.024
	Blue	Black plastic	M2SS2-11L	1SFA611201R1104	10	0.015
		Chrome plastic	M2SS2-21L	1SFA611201R2104	10	0.015
		Chrome metal	M2SS2-31L	1SFA611201R3104	10	0.024
	Clear	Black plastic	M2SS2-11C	1SFA611201R1108	10	0.015
		Chrome plastic	M2SS2-21C	1SFA611201R2108	10	0.015
		Chrome metal	M2SS2-31C	1SFA611201R3108	10	0.024
B C	Red	Black plastic	M2SS3-11R	1SFA611202R1101	10	0.015
		Chrome plastic	M2SS3-21R	1SFA611202R2101	10	0.015
		Chrome metal	M2SS3-31R	1SFA611202R3101	10	0.024
	Green	Black plastic	M2SS3-11G	1SFA611202R1102	10	0.015
		Chrome plastic	M2SS3-21G	1SFA611202R2102	10	0.015
		Chrome metal	M2SS3-31G	1SFA611202R3102	10	0.024
	Yellow	Black plastic	M2SS3-11Y	1SFA611202R1103	10	0.015
		Chrome metal	M2SS3-31Y	1SFA611202R3103	10	0.024
	Blue	Black plastic	M2SS3-11L	1SFA611202R1104	10	0.015
	Clear	Black plastic	M2SS3-11C	1SFA611202R1108	10	0.015
		Chrome metal	M2SS3-31C	1SFA611202R3108	10	0.024

Contacts actuated





M2SS

Dimensions (mm, inches)

Modular range

Illuminated selector switches - 2-position - Long handle



M2SS4-11R



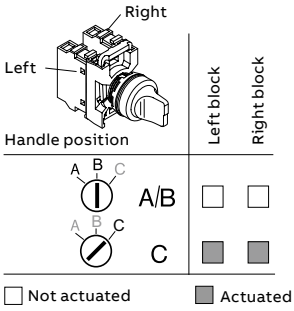
M2SS4-31G

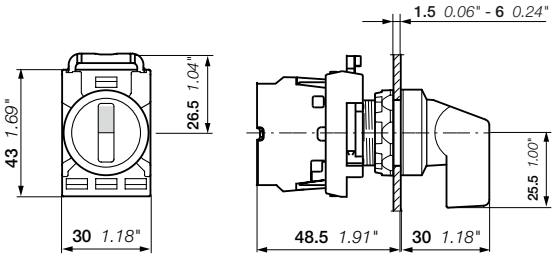


M2SS5-11Y

Operating principle	Color	Bezel	Type	Order code	Pkg qty	Weight (1 pce) kg
B C	Red	Black plastic	M2SS4-11R	1SFA611203R1101	10	0.018
		Chrome plastic	M2SS4-21R	1SFA611203R2101	10	0.018
	Green	Black plastic	M2SS4-11G	1SFA611203R1102	10	0.018
		Chrome plastic	M2SS4-21G	1SFA611203R2102	10	0.018
		Chrome metal	M2SS4-31G	1SFA611203R3102	10	0.027
	Yellow	Black plastic	M2SS4-11Y	1SFA611203R1103	10	0.018
		Chrome plastic	M2SS4-21Y	1SFA611203R2103	10	0.018
	Blue	Black plastic	M2SS4-11L	1SFA611203R1104	10	0.018
		Chrome plastic	M2SS4-21L	1SFA611203R2104	10	0.018
	Clear	Black plastic	M2SS4-11C	1SFA611203R1108	10	0.018
		Chrome plastic	M2SS4-21C	1SFA611203R2108	10	0.018
		Chrome metal	M2SS4-31C	1SFA611203R3108	10	0.027
A C	Red	Black plastic	M2SS5-11R	1SFA611204R1101	10	0.018
		Chrome plastic	M2SS5-21R	1SFA611204R2101	10	0.018
		Chrome metal	M2SS5-31R	1SFA611204R3101	10	0.027
	Green	Black plastic	M2SS5-11G	1SFA611204R1102	10	0.018
		Chrome plastic	M2SS5-21G	1SFA611204R2102	10	0.018
		Chrome metal	M2SS5-31G	1SFA611204R3102	10	0.027
	Yellow	Black plastic	M2SS5-11Y	1SFA611204R1103	10	0.018
		Chrome plastic	M2SS5-21Y	1SFA611204R2103	10	0.018
		Chrome metal	M2SS5-31Y	1SFA611204R3103	10	0.027
	Blue	Black plastic	M2SS5-11L	1SFA611204R1104	10	0.018
		Chrome plastic	M2SS5-21L	1SFA611204R2104	10	0.018
		Chrome metal	M2SS5-31L	1SFA611204R3104	10	0.027
	Clear	Black plastic	M2SS5-11C	1SFA611204R1108	10	0.018
		Chrome plastic	M2SS5-21C	1SFA611204R2108	10	0.018
		Chrome metal	M2SS5-31C	1SFA611204R3108	10	0.027
B C	Red	Black plastic	M2SS6-11R	1SFA611205R1101	10	0.018
	Green	Black plastic	M2SS6-11G	1SFA611205R1102	10	0.018
	Yellow	Black plastic	M2SS6-11Y	1SFA611205R1103	10	0.018
	Blue	Black plastic	M2SS6-11L	1SFA611205R1104	10	0.018
	Clear	Black plastic	M2SS6-11C	1SFA611205R1108	10	0.018
		Chrome metal	M2SS6-31C	1SFA611205R3108	10	0.027

Contacts actuated





M2SS

Dimensions (mm, inches)

Modular range

Illuminated selector switches - 3-position - Short handle



M2SS1-11R



M2SS1-11G

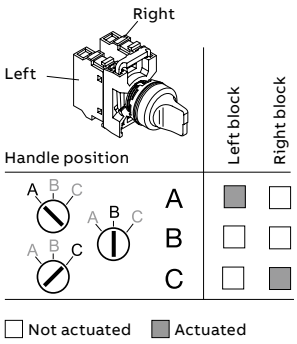


M3SS2-11Y



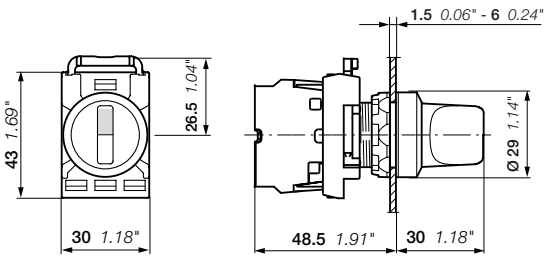
M3SS3-31C

Contacts actuated



☐ Not actuated ■ Actuated

Operating principle	Color	Bezel	Type	Order code	Pkg qty	Weight (1 pce) kg
	● Red	Black plastic	M3SS1-11R	1SFA611210R1101	10	0.015
		Chrome plastic	M3SS1-21R	1SFA611210R2101	10	0.015
		Chrome metal	M3SS1-31R	1SFA611210R3101	10	0.024
	● Green	Black plastic	M3SS1-11G	1SFA611210R1102	10	0.015
		Chrome plastic	M3SS1-21G	1SFA611210R2102	10	0.015
		Chrome metal	M3SS1-31G	1SFA611210R3102	10	0.024
	● Yellow	Black plastic	M3SS1-11Y	1SFA611210R1103	10	0.015
		Chrome plastic	M3SS1-21Y	1SFA611210R2103	10	0.015
		Chrome metal	M3SS1-31Y	1SFA611210R3103	10	0.024
	● Blue	Black plastic	M3SS1-11L	1SFA611210R1104	10	0.015
		Chrome plastic	M3SS1-21L	1SFA611210R2104	10	0.015
		Chrome metal	M3SS1-31L	1SFA611210R3104	10	0.024
	○ Clear	Black plastic	M3SS1-11C	1SFA611210R1108	10	0.015
		Chrome plastic	M3SS1-21C	1SFA611210R2108	10	0.015
		Chrome metal	M3SS1-31C	1SFA611210R3108	10	0.024
	● Red	Black plastic	M3SS2-11R	1SFA611211R1101	10	0.015
		Chrome plastic	M3SS2-21R	1SFA611211R2101	10	0.015
		Chrome metal	M3SS2-31R	1SFA611211R3101	10	0.024
	● Green	Black plastic	M3SS2-11G	1SFA611211R1102	10	0.015
		Chrome plastic	M3SS2-21G	1SFA611211R2102	10	0.015
		Chrome metal	M3SS2-31G	1SFA611211R3102	10	0.024
	● Yellow	Black plastic	M3SS2-11Y	1SFA611211R1103	10	0.015
		Chrome plastic	M3SS2-21Y	1SFA611211R2103	10	0.015
	● Blue	Black plastic	M3SS2-11L	1SFA611211R1104	10	0.015
		Chrome plastic	M3SS2-21L	1SFA611211R2104	10	0.015
		Chrome metal	M3SS2-31L	1SFA611211R3104	10	0.024
	○ Clear	Black plastic	M3SS2-11C	1SFA611211R1108	10	0.015
		Chrome plastic	M3SS2-21C	1SFA611211R2108	10	0.015
		Chrome metal	M3SS2-31C	1SFA611211R3108	10	0.024
	● Red	Black plastic	M3SS3-11R	1SFA611212R1101	10	0.015
		Chrome plastic	M3SS3-21R	1SFA611212R2101	10	0.015
	● Green	Black plastic	M3SS3-11G	1SFA611212R1102	10	0.015
		Chrome plastic	M3SS3-21G	1SFA611212R2102	10	0.015
	● Yellow	Black plastic	M3SS3-11Y	1SFA611212R1103	10	0.015
	● Blue	Black plastic	M3SS3-11L	1SFA611212R1104	10	0.015
	○ Clear	Black plastic	M3SS3-11C	1SFA611212R1108	10	0.015
		Chrome plastic	M3SS3-21C	1SFA611212R2108	10	0.015
		Chrome metal	M3SS3-31C	1SFA611212R3108	10	0.024
	● Red	Black plastic	M3SS7-11R	1SFA611216R1101	10	0.015
	● Green	Black plastic	M3SS7-11G	1SFA611216R1102	10	0.015
		Chrome plastic	M3SS7-21G	1SFA611216R2102	10	0.015
		Chrome metal	M3SS7-31G	1SFA611216R3102	10	0.024
	● Yellow	Black plastic	M3SS7-11Y	1SFA611216R1103	10	0.015
	● Blue	Black plastic	M3SS7-11L	1SFA611216R1104	10	0.015
		Chrome plastic	M3SS7-21L	1SFA611216R2104	10	0.015
	○ Clear	Black plastic	M3SS7-11C	1SFA611216R1108	10	0.015
		Chrome plastic	M3SS7-21C	1SFA611216R2108	10	0.015
		Chrome metal	M3SS7-31C	1SFA611216R3108	10	0.024



M3SS

Dimensions (mm, inches)

Modular range

Illuminated selector switches - 3-position - Long handle



M3SS4-11R



M3SS4-11G

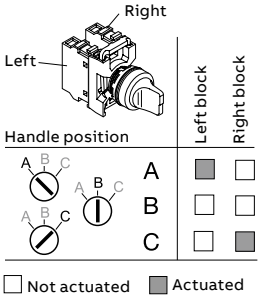


M3SS4-11Y

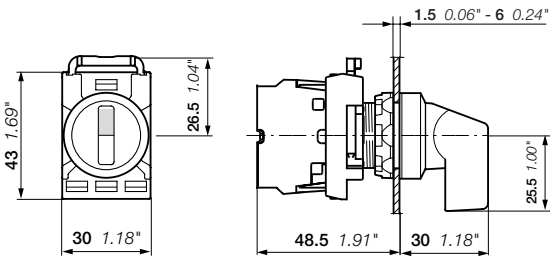


M3SS4-31C

Contacts actuated



Operating principle	Color	Bezel	Type	Order code	Pkg qty	Weight (1 pce) kg
A B C	Red	Black plastic	M3SS4-11R	1SFA611213R1101	10	0.018
		Chrome plastic	M3SS4-21R	1SFA611213R2101	10	0.018
		Chrome metal	M3SS4-31R	1SFA611213R3101	10	0.027
	Green	Black plastic	M3SS4-11G	1SFA611213R1102	10	0.018
		Chrome plastic	M3SS4-21G	1SFA611213R2102	10	0.018
	Yellow	Black plastic	M3SS4-11Y	1SFA611213R1103	10	0.018
		Chrome plastic	M3SS4-21Y	1SFA611213R2103	10	0.018
	Blue	Black plastic	M3SS4-11L	1SFA611213R1104	10	0.018
		Chrome plastic	M3SS4-21L	1SFA611213R2104	10	0.018
	Clear	Black plastic	M3SS4-11C	1SFA611213R1108	10	0.018
		Chrome plastic	M3SS4-21C	1SFA611213R2108	10	0.018
		Chrome metal	M3SS4-31C	1SFA611213R3108	10	0.027
A B C	Red	Black plastic	M3SS5-11R	1SFA611214R1101	10	0.018
		Chrome plastic	M3SS5-21R	1SFA611214R2101	10	0.018
	Green	Black plastic	M3SS5-11G	1SFA611214R1102	10	0.018
		Chrome plastic	M3SS5-21G	1SFA611214R2102	10	0.018
		Chrome metal	M3SS5-31G	1SFA611214R3102	10	0.027
	Yellow	Black plastic	M3SS5-11Y	1SFA611214R1103	10	0.018
		Chrome plastic	M3SS5-21Y	1SFA611214R2103	10	0.018
	Blue	Black plastic	M3SS5-11L	1SFA611214R1104	10	0.018
		Chrome plastic	M3SS5-21L	1SFA611214R2104	10	0.018
	Clear	Black plastic	M3SS5-11C	1SFA611214R1108	10	0.018
		Chrome plastic	M3SS5-21C	1SFA611214R2108	10	0.018
		Chrome metal	M3SS5-31C	1SFA611214R3108	10	0.027
A B C	Red	Black plastic	M3SS6-11R	1SFA611215R1101	10	0.018
	Green	Black plastic	M3SS6-11G	1SFA611215R1102	10	0.018
		Chrome plastic	M3SS6-21G	1SFA611215R2102	10	0.018
	Yellow	Black plastic	M3SS6-11Y	1SFA611215R1103	10	0.018
		Chrome plastic	M3SS6-21Y	1SFA611215R2103	10	0.018
	Blue	Black plastic	M3SS6-11L	1SFA611215R1104	10	0.018
		Chrome metal	M3SS6-31L	1SFA611215R3104	10	0.027
	Clear	Black plastic	M3SS6-11C	1SFA611215R1108	10	0.018
A B C	Red	Black plastic	M3SS8-11R	1SFA611217R1101	10	0.018
		Chrome plastic	M3SS8-21R	1SFA611217R2101	10	0.018
		Chrome metal	M3SS8-31R	1SFA611217R3101	10	0.027
	Green	Black plastic	M3SS8-11G	1SFA611217R1102	10	0.018
		Chrome plastic	M3SS8-21G	1SFA611217R2102	10	0.018
		Chrome metal	M3SS8-31G	1SFA611217R3102	10	0.027
	Yellow	Black plastic	M3SS8-11Y	1SFA611217R1103	10	0.018
	Blue	Black plastic	M3SS8-11L	1SFA611217R1104	10	0.018
	Clear	Black plastic	M3SS8-11C	1SFA611217R1108	10	0.018



M3SS

Dimensions (mm, inches)

Modular range

Key-operated selector switches - 2-position



M2SSK1-101

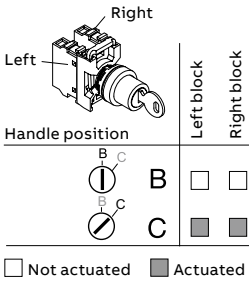
Description

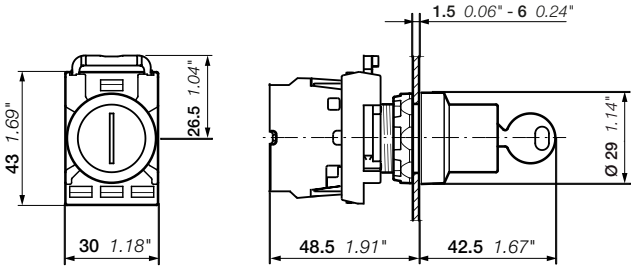
Key-operated selector switches are delivered in black color.

Operating principle	Key release	Bezel	Type	Order code	Pkg qty	Weight (1 pce) kg
 Key can be removed in both positions	Key code 455	Black plastic	M2SSK1-101	1SFA611280R1001	1	0.045
		Chrome plastic	M2SSK1-201	1SFA611280R2001	1	0.045
		Chrome metal	M2SSK1-301	1SFA611280R3001	1	0.054
	Key code 421	Black plastic	M2SSK1-102	1SFA611280R1002	1	0.045
		Chrome metal	M2SSK1-302	1SFA611280R3002	1	0.054
	Key code 3433-E	Black plastic	M2SSK1-103	1SFA611280R1003	1	0.045
		Chrome metal	M2SSK1-303	1SFA611280R3003	1	0.054
	Random selection (1)	Black plastic	M2SSK1-104	1SFA611280R1004	25	0.045
		Chrome metal	M2SSK1-304	1SFA611280R3004	25	0.054
 Key can be removed in B position only	Key code 455	Black plastic	M2SSK2-101	1SFA611281R1001	1	0.045
		Chrome plastic	M2SSK2-201	1SFA611281R2001	1	0.045
		Chrome metal	M2SSK2-301	1SFA611281R3001	1	0.054
	Key code 421	Black plastic	M2SSK2-102	1SFA611281R1002	1	0.045
		Chrome metal	M2SSK2-302	1SFA611281R3002	1	0.054
	Key code 3433-E	Black plastic	M2SSK2-103	1SFA611281R1003	1	0.045
		Chrome plastic	M2SSK2-203	1SFA611281R2003	1	0.045
		Chrome metal	M2SSK2-303	1SFA611281R3003	1	0.054
	Random selection (1)	Black plastic	M2SSK2-104	1SFA611281R1004	25	0.045
		Chrome metal	M2SSK2-304	1SFA611281R3004	25	0.054
 Key can be removed in position B only	Key code 455	Black plastic	M2SSK3-101	1SFA611282R1001	1	0.045
		Chrome metal	M2SSK3-301	1SFA611282R3001	1	0.054
	Key code 421	Black plastic	M2SSK3-102	1SFA611282R1002	1	0.045
		Chrome metal	M2SSK3-302	1SFA611282R3002	1	0.054
	Key code 3433-E	Black plastic	M2SSK3-103	1SFA611282R1003	1	0.045
		Chrome metal	M2SSK3-303	1SFA611282R3003	1	0.054
	Random selection (1)	Black plastic	M2SSK3-104	1SFA611282R1004	25	0.045
		Chrome metal	M2SSK3-304	1SFA611282R3004	25	0.054
 Key can be removed in A only	Key code 455	Black plastic	M2SSK4-101	1SFA611289R1001	1	0.045

(1) The order code includes 25 keys operated selector switches. Each selector switch includes unique key code. Key codes 455, 421 and 3433-E not included.

Contacts actuated





M2SSK

Dimensions (mm, inches)

Modular range

Key-operated selector switches - 3-position



M2SSK1-101

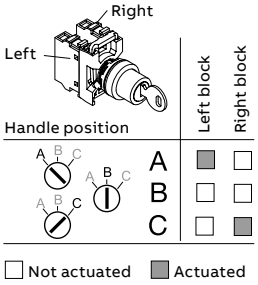
Description

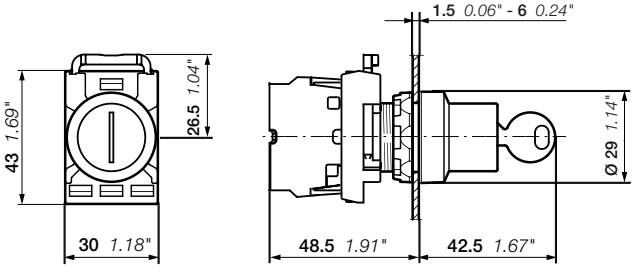
Key-operated selector switches are delivered in black color.

Operating principle	Color	Bezel	Type	Order code	Pkg qty	Weight (1 pce) kg
 Key can be removed in all positions	Key code 455	Black plastic	M3SSK1-101	1SFA611283R1001	1	0.045
		Chrome plastic	M3SSK1-201	1SFA611283R2001	1	0.045
		Chrome metal	M3SSK1-301	1SFA611283R3001	1	0.054
	Key code 421	Black plastic	M3SSK1-102	1SFA611283R1002	1	0.045
		Chrome metal	M3SSK1-302	1SFA611283R3002	1	0.054
	Key code 3433-E	Black plastic	M3SSK1-103	1SFA611283R1003	1	0.045
		Chrome metal	M3SSK1-303	1SFA611283R3003	1	0.054
	Random selection (1)	Black plastic	M3SSK1-104	1SFA611283R1004	25	0.045
		Chrome metal	M3SSK1-304	1SFA611283R3004	25	0.054
 Key can be removed in position B only	Key code 455	Black plastic	M3SSK2-101	1SFA611284R1001	1	0.045
		Chrome metal	M3SSK2-301	1SFA611284R3001	1	0.054
	Key code 421	Black plastic	M3SSK2-102	1SFA611284R1002	1	0.045
	Key code 3433-E	Black plastic	M3SSK2-103	1SFA611284R1003	1	0.045
	Random selection (1)	Black plastic	M3SSK2-104	1SFA611284R1004	25	0.045
 Key can be removed in position B only	Key code 455	Black plastic	M3SSK3-101	1SFA611285R1001	1	0.045
		Chrome metal	M3SSK3-301	1SFA611285R3001	1	0.054
	Key code 421	Black plastic	M3SSK3-102	1SFA611285R1002	1	0.045
		Chrome metal	M3SSK3-302	1SFA611285R3002	1	0.054
	Key code 3433-E	Black plastic	M3SSK3-103	1SFA611285R1003	1	0.045
		Chrome metal	M3SSK3-303	1SFA611285R3003	1	0.054
	Random selection (1)	Black plastic	M3SSK3-104	1SFA611285R1004	25	0.045
 Key can be removed in position A only	Key code 455	Black plastic	M3SSK4-101	1SFA611286R1001	1	0.045
		Chrome metal	M3SSK4-301	1SFA611286R3001	1	0.054
	Key code 421	Black plastic	M3SSK4-102	1SFA611286R1002	1	0.045
		Chrome metal	M3SSK4-302	1SFA611286R3002	1	0.054
 Key can be removed in all positions	Key code 455	Black plastic	M3SSK5-101	1SFA611287R1001	1	0.045
		Chrome metal	M3SSK5-301	1SFA611287R3001	1	0.054
	Key code 3433-E	Black plastic	M3SSK5-103	1SFA611287R1003	1	0.045
 Key can be removed in A only	Key code 455	Black plastic	M3SSK6-101	1SFA611288R1001	1	0.045

(1) The order code includes 25 key operated selector switches. Each selector switch includes unique key code. Key codes 455, 421 and 3433-E not included.

Contacts actuated





M3SSK

Dimensions (mm, inches)

Modular range
Potentiometers



MT-110B

Description

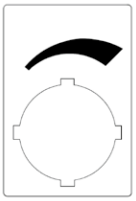
Black knob with integrated position indication and marking in white.

Bezel		Type	Order code	Pkg qty	Weight (1 pce) kg
Knob with resistor 5 kΩ					
Black plastic		MT-105B	1SFA611410R1056	1	0.040
Chrome plastic		MT-205B	1SFA611410R2056	1	0.040
Chrome metal		MT-305B	1SFA611410R3056	1	0.049
Knob with resistor 10 kΩ					
Black plastic		MT-110B	1SFA611410R1106	1	0.040
Chrome plastic		MT-210B	1SFA611410R2106	1	0.036
Chrome metal		MT-310B	1SFA611410R3106	1	0.048
Knob with resistor 50 kΩ					
Black plastic		MT-150B	1SFA611410R1506	1	0.040
Chrome plastic		MT-250B	1SFA611410R2506	1	0.040
Chrome metal		MT-350B	1SFA611410R3506	1	0.049
Knob without resistor (1)					
Black plastic		MT-1B	1SFA611410R1006	10	0.010
Chrome plastic		MT-2B	1SFA611410R2006	10	0.010
Chrome metal		MT-3B	1SFA611410R3006	10	0.019
Legend plates aluminum					
29.6 x 44.5 mm	Ø 22 mm	–	SK615562-87	10	0.002
48.5 x 44.5 mm, scale: 0-10	Ø 22 mm	–	SK615562-88	10	0.002
48.5 x 44.5 mm, scale: 0-50	Ø 22 mm	MA6-1252	1SFA611930R1252	10	0.002

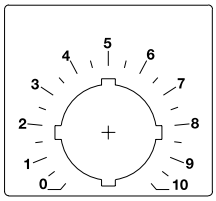
(1) Knob without resistor: for shaft diameter 6-6.35 mm. Min. shaft length 20 mm.



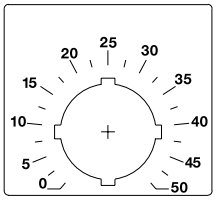
MA6-1252



SK615562-87



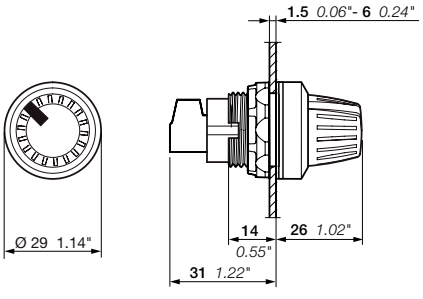
SK615562-88



MA6-1252

Technical data

Power rating	2 W
Mechanical angle	280°
Insulation voltage	900 V
Operating temperature	-1 ... + 70° C
Resistance tolerance	± 10 ohm



MT

Dimensions (mm, inches)

Modular range

Reset pushbuttons



1SFC151235V0001

KPR1-100G



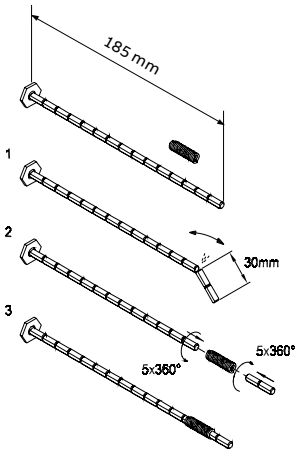
1SFC151234V0001

KPR1-101L



1SFC151229V0001

KPR1-104B



Description

Reset pushbuttons are momentary and include only black plastic bezel.

Color	Text	Type	Order code	Pkg qty	Weight (1 pce) kg
Flush reset pushbutton					
● Red	No text	KPR1-100R	1SFA616160R1001	10	0.020
● Green	No text	KPR1-100G	1SFA616160R1002	10	0.020
	I	KPR1-102G	1SFA616160R1022	10	0.020
	II	KPR1-103G	1SFA616160R1032	10	0.020
● Yellow	No text	KPR1-100Y	1SFA616160R1003	10	0.020
● Blue	No text	KPR1-100L	1SFA616160R1004	10	0.020
	R	KPR1-101L	1SFA616160R1014	10	0.020
○ White	No text	KPR1-100W	1SFA616160R1005	10	0.020
	R	KPR1-101W	1SFA616160R1015	10	0.020
	I	KPR1-102W	1SFA616160R1025	10	0.020
	II	KPR1-103W	1SFA616160R1035	10	0.020
● Black	No text	KPR1-100B	1SFA616160R1006	10	0.020
	RESET	KPR1-104B	1SFA616160R1046	10	0.020
Extended reset pushbutton					
● Red	No text	KPR2-100R	1SFA616161R1001	10	0.021
	O	KPR2-105R	1SFA616161R1051	10	0.021
● Blue	No text	KPR2-100L	1SFA616161R1005	10	0.021
● Black	No text	KPR2-100B	1SFA616161R1006	10	0.021
	O	KPR2-105B	1SFA616161R1056	10	0.021

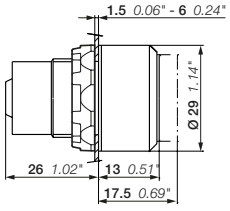


1SFC151381V0001

KA1-8047

Accessories

	Type	Order code	Pkg qty	Weight (1 pce) kg
Shaft	KA1-8046	1SFA616920R8046	10	0.007
Flexible joint	KA1-8047	1SFA616920R8047	10	0.005



KPR1, KPR2

Dimensions (mm, inches)

Modular range

Reset pushbuttons with shaft



1SFC151225V0001

KPR3-100R



1SFC151222V0001

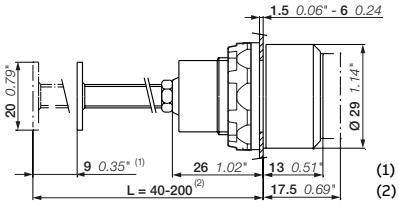
KPR3-104B

Description

Reset pushbuttons are momentary and include only black plastic bezel.

Color	Text	Type	Order code	Pkg qty	Weight (1 pce) kg
Flush reset pushbutton					
● Red	No text	KPR3-100R	1SFA616162R1001	10	0.027
● Green	No text	KPR3-100G	1SFA616162R1002	10	0.027
	II	KPR3-103G	1SFA616162R1032	10	0.027
	START	KPR3-106G	1SFA616162R1062	10	0.027
● Yellow	No text	KPR3-100Y	1SFA616162R1003	10	0.027
● Blue	No text	KPR3-100L	1SFA616162R1004	10	0.027
	R	KPR3-101L	1SFA616162R1014	10	0.027
○ White	No text	KPR3-100W	1SFA616162R1005	10	0.027
	R	KPR3-101W	1SFA616162R1015	10	0.027
	I	KPR3-102W	1SFA616162R1025	10	0.027
● Black	No text	KPR3-100B	1SFA616162R1006	10	0.027
	RESET	KPR3-104B	1SFA616162R1046	10	0.027
Extended reset pushbutton					
● Red	No text	KPR4-100R	1SFA616163R1001	10	0.028
	O	KPR4-105R	1SFA616163R1051	10	0.028
○ White	No text	KPR4-100W	1SFA616163R1005	10	0.028
● Black	No text	KPR4-100B	1SFA616163R1006	10	0.028
	O	KPR4-105B	1SFA616163R1056	10	0.028

Note: Flexible joint not included.



(1) Length of stroke
(2) Can be cut to desired length

KPR3, KPR4

Dimensions (mm, inches)

1SFC151026S0201

Modular range

Joysticks



1SFC151344V0001

MJS1-60B

Description

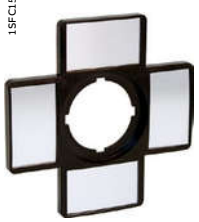
IP protection degree : IP66, IP67 and IP69K. 4-position holder included.

Position	Bezel	Type	Order code	Pkg qty	Weight (1 pce) kg
Without latching function					
↕	Black plastic	MJS1-40B	1SFA611701R4006	1	0.043
	Chrome metal	MJS1-60B	1SFA611701R6006	1	0.052
↕	Black plastic	MJS2-40B	1SFA611702R4006	1	0.043
	Chrome metal	MJS2-60B	1SFA611702R6006	1	0.052
↔	Black plastic	MJS3-40B	1SFA611703R4006	1	0.043
	Chrome metal	MJS3-60B	1SFA611703R6006	1	0.052
↔	Black plastic	MJS4-40B	1SFA611704R4006	1	0.043
	Chrome metal	MJS4-60B	1SFA611704R6006	1	0.052
↕↔	Black plastic	MJS5-40B	1SFA611705R4006	1	0.043
	Chrome metal	MJS5-60B	1SFA611705R6006	1	0.052
↕↔	Black plastic	MJS6-40B	1SFA611706R4006	1	0.043
	Chrome metal	MJS6-60B	1SFA611706R6006	1	0.052
With latching function					
↕	Black plastic	MJS7-40B	1SFA611707R4006	1	0.043
	Chrome metal	MJS7-60B	1SFA611707R6006	1	0.052
↕	Black plastic	MJS9-40B	1SFA611709R4006	1	0.043
	Chrome metal	MJS9-60B	1SFA611709R6006	1	0.052
↔	Black plastic	MJS8-40B	1SFA611708R4006	1	0.043
	Chrome metal	MJS8-60B	1SFA611708R6006	1	0.052
↔	Chrome metal	MJS10-60B	1SFA611710R6006	1	0.052
↕↔	Black plastic	MJS12-40B	1SFA611712R4006	1	0.043
	Chrome metal	MJS12-60B	1SFA611712R6006	1	0.052
↕↔	Black plastic	MJS11-40B	1SFA611711R4006	1	0.043
	Chrome metal	MJS11-60B	1SFA611711R6006	1	0.052



1SFC151481F0001

MA1-8138

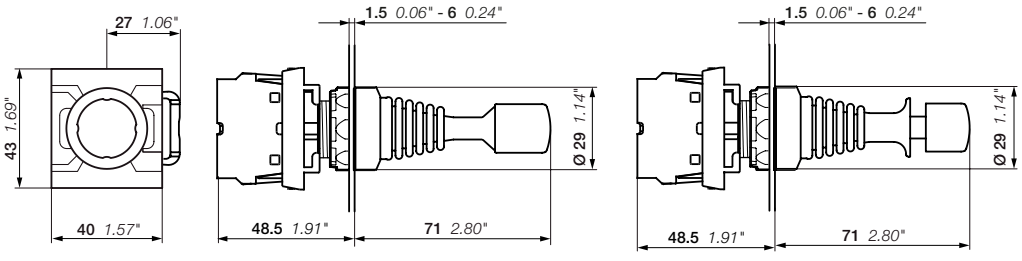


1SFC151480F0001

MA1-8137

Accessories

	Type	Order code	Pkg qty	Weight (1 pce) kg
Legend plates, 66 x 59 aluminum laminate with adhesive back				
2-position - Up - Down	MA6-1240	1SFA611930R1240	10	0.004
2-position - Left - Right	MA6-1241	1SFA611930R1241	10	0.004
4-position Up - down - right - left	MA6-1242	1SFA611930R1242	10	0.004
Legend plates holder (inserts not included, suitable for insert size 27x15)				
2-position	MA1-8138	1SFA611920R8138	10	0.002
4-position	MA1-8137	1SFA611920R8137	10	0.003



MJS

Dimensions (mm, inches)

without latching function

with latching function

1SFC151028S0201

Modular range

Toggle switches



1SFC151132V0001

MTS1-10B

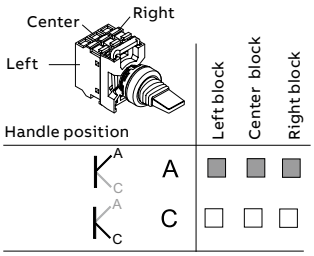


1SFC151346V0001

MTS1-30B

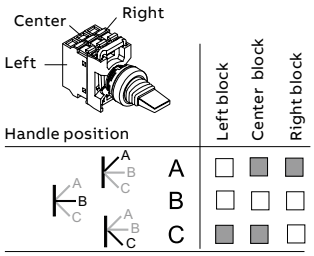
Operating principle	Bezel	Type	Order code	Pkg qty	Weight (1 pce) kg
2-position					
	Black plastic	MTS1-10B	1SFA611300R1006	10	0.014
	Chrome plastic	MTS1-20B	1SFA611300R2006	10	0.014
	Chrome metal	MTS1-30B	1SFA611300R3006	10	0.023
3-position					
	Black plastic	MTS3-10B	1SFA611302R1006	10	0.014
	Chrome plastic	MTS3-20B	1SFA611302R2006	10	0.014
	Chrome metal	MTS3-30B	1SFA611302R3006	10	0.023
	Black plastic	MTS2-10B	1SFA611301R1006	10	0.014
	Chrome plastic	MTS2-20B	1SFA611301R2006	10	0.014
	Chrome metal	MTS2-30B	1SFA611301R3006	10	0.023

Contacts actuated, 2-position

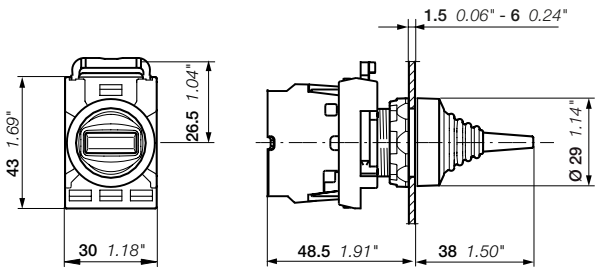


☐ Not actuated ■ Actuated

Contacts actuated, 3-position



☐ Not actuated ■ Actuated



MTS

Dimensions (mm, inches)

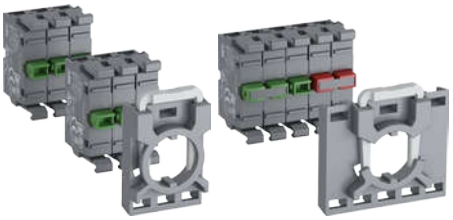
Modular range

Contact block configutation

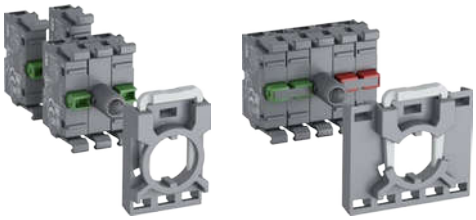
Pushbuttons - Heavy duty pushbuttons (1) - Mushrooms pushbuttons



Non-illuminated



Illuminated

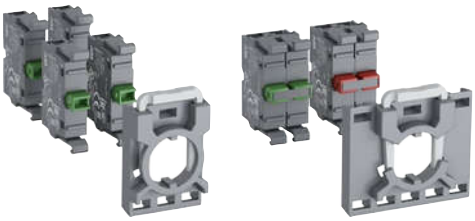


(1) Holder included for heavy duty pushbuttons

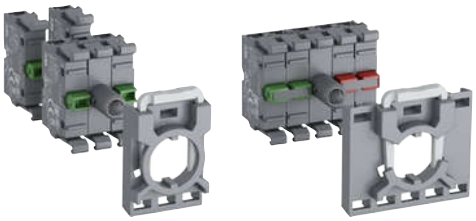
Double pushbuttons



Non-illuminated



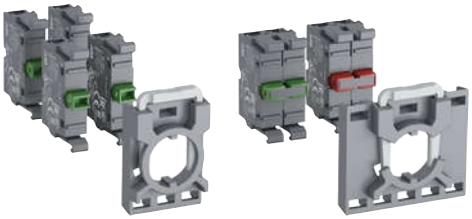
Illuminated



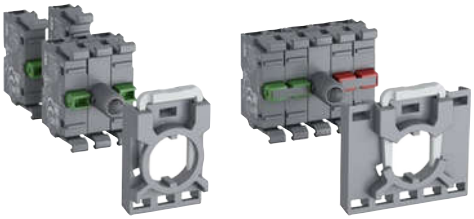
Selector switches



Non-illuminated



Illuminated



Emergency stop pushbuttons - Machine stop pushbuttons



Non-illuminated **Illuminated**



Toggle switches - Center block operating selector switches

Non-illuminated



Pilot lights





Joysticks (2)





Note: locking nut included with all operators.

(2) Holder is included for joystick.

Modular range

Holders and contact blocks for front mounting



MCBH-00



MCBH5-00



MCB-10



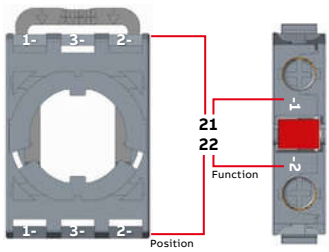
MCB-02



MCBL-01

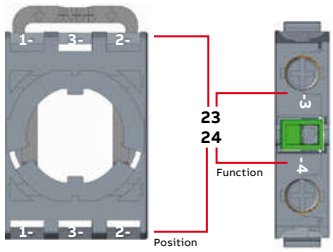
Description	Contacts	Type	Order code	Pkg qty	Weight (1 pce)
					kg
Holders					
3-position	– –	MCBH-00	1SFA611605R1100	10	0.006
5-position	– –	MCBH5-00	1SFA611601R1100	10	0.008
Single contact blocks					
For 3 & 5-position holder	1 0	MCB-10	1SFA611610R1001	10	0.013
	0 1	MCB-01	1SFA611610R1010	10	0.013
Single contact blocks, gold plated contacts					
For 3 & 5-position holder	1 0	MCB-10G	1SFA611610R1101	10	0.013
	0 1	MCB-01G	1SFA611610R1110	10	0.013
Double contacts blocks					
For 5-position holder	2 0	MCB-20	1SFA611610R1002	10	0.026
	0 2	MCB-02	1SFA611610R1020	10	0.026
	1 1	MCB-11	1SFA611610R1011	10	0.026
Micro switch contact blocks					
For 3-position holder	1 0	MCBL-10	1SFA611612R1010	10	0.013
	0 1	MCBL-01	1SFA611612R1001	10	0.013

Note: 3 micro switch contact blocks max. allowed. If more than 3 contact blocks are needed, micro switch contact block to be mounted on the second stack.



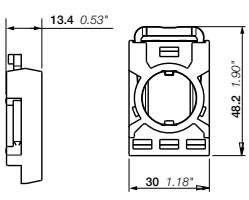
Combined markings

11	31	21
12	32	22

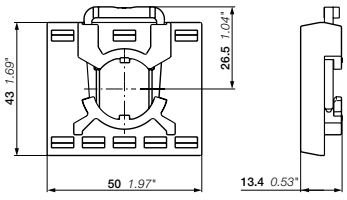


Combined markings

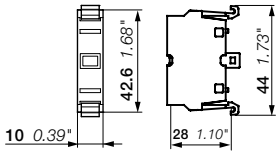
13	33	23
14	34	24



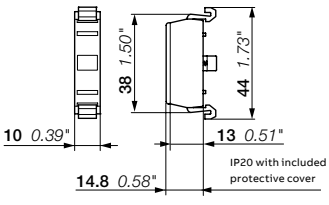
MCBH



MCBH5



MCB



MCBL

Dimensions (mm, inches)

Modular range

LED blocks for front mounting



MLBL-00W

Color	Rated current mA	Wavelength nm	Luminance mcd	Type	Order code	Pkg qty	Weight (1pce) kg
Rated voltage 12 V DC							
Red	12.0	620	320	MLBL-00R	1SFA611621R1001	10	0.012
Green	12.0	520	1500	MLBL-00G	1SFA611621R1002	10	0.012
Yellow	12.0	588	380	MLBL-00Y	1SFA611621R1003	10	0.012
Blue	12.0	468	450	MLBL-00L	1SFA611621R1004	10	0.012
White	12.0	(1)	600	MLBL-00W	1SFA611621R1005	10	0.012
Rated voltage 24 V AC/DC							
Red	10.0	620	250	MLBL-01R	1SFA611621R1011	10	0.012
Green	10.0	520	1500	MLBL-01G	1SFA611621R1012	10	0.012
Yellow	10.0	588	250	MLBL-01Y	1SFA611621R1013	10	0.012
Blue	10.0	468	450	MLBL-01L	1SFA611621R1014	10	0.012
White	10.0	(1)	600	MLBL-01W	1SFA611621R1015	10	0.012
Rated voltage 48 V AC/DC							
Red	10.0	620	260	MLBL-02R	1SFA611621R1021	10	0.012
Green	13.0	520	1500	MLBL-02G	1SFA611621R1022	10	0.012
Yellow	10.0	588	300	MLBL-02Y	1SFA611621R1023	10	0.012
Blue	13.0	468	450	MLBL-02L	1SFA611621R1024	10	0.012
White	13.0	(1)	600	MLBL-02W	1SFA611621R1025	10	0.012
Rated voltage 60 V AC/DC							
Red	13.0	620	350	MLBL-03R	1SFA611621R1031	10	0.012
Green	13.0	520	2000	MLBL-03G	1SFA611621R1032	10	0.012
Yellow	13.0	588	400	MLBL-03Y	1SFA611621R1033	10	0.012
Blue	13.0	468	550	MLBL-03L	1SFA611621R1034	10	0.012
White	13.0	(1)	750	MLBL-03W	1SFA611621R1035	10	0.012
Rated voltage 110-130 V AC							
Red	10.0	620	200	MLBL-04R	1SFA611621R1041	10	0.012
Green	10.0	520	1200	MLBL-04G	1SFA611621R1042	10	0.012
Yellow	10.0	588	250	MLBL-04Y	1SFA611621R1043	10	0.012
Blue	10.0	468	400	MLBL-04L	1SFA611621R1044	10	0.012
White	10.0	(1)	500	MLBL-04W	1SFA611621R1045	10	0.012
Rated voltage 110-130 V AC high anti-inductive voltage (2)							
Red	10.0	620	250	MLBL-04AR	1SFA611621R3041	10	0.012
Green	10.0	520	1500	MLBL-04AG	1SFA611621R3042	10	0.012
Yellow	10.0	582	300	MLBL-04AY	1SFA611621R3043	10	0.012
Blue	10.0	468	450	MLBL-04AL	1SFA611621R3044	10	0.012
White	10.0	(1)	600	MLBL-04AW	1SFA611621R3045	10	0.012
Rated voltage 110-130 V DC							
Red	10.0	620	250	MLBL-05R	1SFA611621R1051	10	0.012
Green	10.0	520	1500	MLBL-05G	1SFA611621R1052	10	0.012
Yellow	10.0	588	300	MLBL-05Y	1SFA611621R1053	10	0.012
Blue	10.0	468	450	MLBL-05L	1SFA611621R1054	10	0.012
White	10.0	(1)	600	MLBL-05W	1SFA611621R1055	10	0.012
Rated voltage 220 V DC							
Red	8.0	620	180	MLBL-06R	1SFA611621R1061	10	0.012
Green	8.0	520	110	MLBL-06G	1SFA611621R1062	10	0.012
Yellow	8.0	588	200	MLBL-06Y	1SFA611621R1063	10	0.012
Blue	8.0	468	450	MLBL-06L	1SFA611621R1064	10	0.012
White	8.0	(1)	600	MLBL-06W	1SFA611621R1065	10	0.012

Note: care should be taken for DC supply where + and - must be correctly connected. This is marked X1 (+) and X2 (-) on the product.
(1) X=0.31, Y=0.32 according to the ICI Chromaticity diagram.
(2) Higher threshold to light up LED to be used in application where there is risk of large induced voltages.

Modular range

LED blocks for front mounting

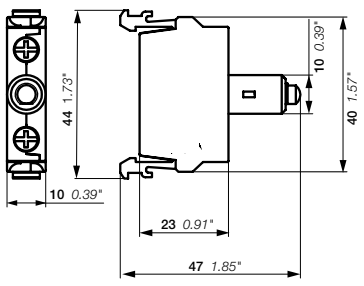


1SFC151417V0001

MLBL-00W

Color	Rated current mA	Wavelength nm	Luminance mcd	Type	Order code	Pkg qty	Weight (1pce) kg
Rated voltage 230 V AC							
Red	10.0	620	250	MLBL-07R	1SFA611621R1071	10	0.012
Green	10.0	520	1500	MLBL-07G	1SFA611621R1072	10	0.012
Yellow	10.0	588	300	MLBL-07Y	1SFA611621R1073	10	0.012
Blue	10.0	468	450	MLBL-07L	1SFA611621R1074	10	0.012
White	10.0	(1)	600	MLBL-07W	1SFA611621R1075	10	0.012
Rated voltage 230 V AC high anti-inductive voltage (2)							
Red	10.0	620	250	MLBL-99R	1SFA611621R1991	10	0.012
Green	10.0	520	1500	MLBL-99G	1SFA611621R1992	10	0.012
Yellow	10.0	588	300	MLBL-99Y	1SFA611621R1993	10	0.012
Blue	10.0	468	450	MLBL-99L	1SFA611621R1994	10	0.012
White	10.0	(1)	600	MLBL-99W	1SFA611621R1995	10	0.012
Rated voltage 380 V AC							
Red	10.0	620	250	MLBL-08R	1SFA611621R1081	10	0.012
Green	10.0	520	1500	MLBL-08G	1SFA611621R1082	10	0.012
Yellow	10.0	582	300	MLBL-08Y	1SFA611621R1083	10	0.012
Blue	10.0	468	450	MLBL-08L	1SFA611621R1084	10	0.012
White	10.0	(1)	600	MLBL-08W	1SFA611621R1085	10	0.012
Rated voltage 415 V AC							
Red	11	620	280	MLBL-09R	1SFA611621R1091	10	0.012
Green	11	520	1800	MLBL-09G	1SFA611621R1092	10	0.012
Yellow	11	588	350	MLBL-09Y	1SFA611621R1093	10	0.012
Blue	11	468	500	MLBL-09L	1SFA611621R1094	10	0.012
White	11	(1)	650	MLBL-09W	1SFA611621R1095	10	0.012

Note: care should be taken for DC supply where + and - must be correctly connected. This is marked X1 (+) and X2 (-) on the product.
(1) X=0.31, Y=0.32 according to the ICI Chromaticity diagram.
(2) Higher threshold to light up LED to be used in application where there is risk of large induced voltages.



MLBL

Dimensions (mm, inches)

Modular range

Accessories


1SFC151253F0001

KA1

1SFC151397V0001

MA1-8052


1SFC151396V0001

MA1-8126


1SFC151379F0001

KA1-8010


1SFC151212V0001

KA1-8022/KA1-8021


1SFC151487F0001

SK616016-2


1SFC151391V0001

MA1-8153


1SFC151392V0001

MA1-8152


1SFC151384V0001

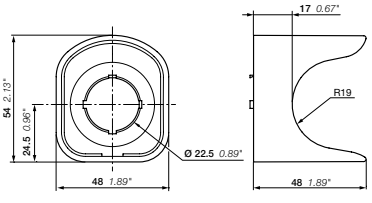
MA1-8053


1SFC151383V0001

MA1-8128

Description	Bezel / color	Type	Order code	Pkg qty	Weight (1pce) kg
30 mm adaptors for 22 mm operator (1.5 - 4 mm panel thickness)					
Emergency stop pushbuttons, MPM	Black plastic	KA1-8027	1SFA616920R8027	1	0.007
	Chrome metal	KA1-8028	1SFA616920R8028	1	0.021
Pushbuttons, selector switches, pilot lights, potentiometers, emergency stop pushbuttons, MPE	Black plastic	KA1-8029	1SFA616920R8029	1	0.010
Flush mounted pushbuttons	Chrome metal	KA1-8073	1SFA616920R8073	1	0.050
Flush mounted selector switches	Chrome metal	MA1-8074	1SFA611920R8074	1	0.050
Protective membrane, silicone					
Flush pushbutton		MA1-8052	1SFA611920R8052	10	0.002
Double pushbutton		MA1-8126	1SFA611920R8126	10	0.002
Extended pushbutton		MA1-8002	1SFA611920R8002	10	0.002
Protective ring To prevent accidental operation. Cannot be used together with Legend plate holder					
Flush and extended pushbuttons	Clear plastic	-	SK615512-1	10	0.002
Flush pushbuttons	Metal and black plastic	KA1-8010	1SFA616920R8010	10	0.008
Bezel					
Pushbuttons	Black plastic	KA1-8022	1SFA616920R8022	10	0.002
	Chrome plastic	KA1-8020	1SFA616920R8020	10	0.002
	Chrome metal	KA1-8021	1SFA616920R8021	10	0.015
Selector switches	Black plastic	KA1-8080	1SFA616920R8080	10	0.002
	Chrome plastic	KA1-8023	1SFA616920R8023	10	0.002
	Chrome metal	KA1-8024	1SFA616920R8024	10	0015
Square bezel					
Black plastic		-	SK616016-2	10	0.001
Lockable shroud					
Pushbuttons, selector switches	Plastic	MA1-8153	1SFA611920R8153	10	0.023
Emergency stop 30 mm	Metal	-	SK615502-D	1	0.080
Touch guard					
Touch guard		MA1-8152	1SFA611920R8152	10	0.023
Shroud with anti rotation tabs, slot for pad-lock and with water drainage					
Emergency stop, machine stop 40 mm	Yellow	MA1-8053	1SFA611920R8053	10	0.020
	Grey	MA1-8128	1SFA611920R8128	10	0.020

Note: Din-rail adaptor should be used with 2 contact blocks for rear mounting type MCB..B.



MA1

Dimensions (mm, inches)

Modular range

Accessories



MA1-8131



MDB-2



MA1-8015



MA1-8149



MA1-8019

Description	Bezel / color	Type	Order code	Pkg qty	Weight (1pce) kg
DIN-rail adaptor					
DIN-rail adaptor		MA1-8131	1SFA611920R8131	1	0.020
DIN-rail adaptor with one dummy block		MA1-8001	1SFA611920R8001	1	0.028
Dummy block		MDB-2	1SFA611630R1002	10	0.003
Mounting tools					
Mounting tool for tightening the locking nut		MA1-8015	1SFA611920R8015	1	0.021
Mounting tool for power tool		MA1-8149	1SFA611920R8149	1	0.155
Extra key					
Key code 455			SK616021-71	10	0.007
Key code 421			SK616021-72	10	0.007
Key code 3433-E			SK616021-73	10	0.007
Locking nut		MA1-8019	1SFA611920R8019	10	0.001

Note: Din-rail adaptor should be used with 2 contact blocks for rear mounting type MCB..B.
Note: Dummy blocks are used when only one contact block or a compact pilot device is used together with the DIN-rail adaptor

Modular range

Technical data

Standards and approvals

IEC / EN 60947-1	Low Voltage switchgear and controlgear - Part 1: General rules
IEC / EN 60947-5-1	Low Voltage switchgear and controlgear - part 5-1: control circuit devices and switching elements - Electromechanical control circuit devices
IEC / EN 60947-5-5	Low Voltage switchgear and controlgear - part 5-5: control circuit devices and switching elements - Electrical emergency stop device with mechanical latching function
IEC / EN 60073	Basic and safety principles for man-machine interface, marking and identification coding principles for indicators and actuators
IEC / EN 60529	Degrees of protection provided by enclosures (IP code)
EN 50013	Low Voltage switchgear and controlgear for industrial use, terminal marking and distinctive number for particular control switches
DIN 40050-9	Road vehicles; Degrees of protection (IP-code); protection against foreign objects; water and contact; electrical equipment
UL 508	Industrial control equipment
CSA C22.2 No 14	Industrial control equipment

Environmental data

Degrees of protection

Operators	IEC/EN DIN	UL/CSA
Pushbutton: MP	IP66	Type 1, 3R, 4, 4X, 12, 13
Double pushbutton: MPD	IP66	Type 1, 3R, 4, 4X, 12, 13
Mushroom pushbutton: MPM	IP66	Type 1, 3R, 4, 4X, 12, 13
Emergency stop pushbuttons: MPMT, MPMP, MPET, MPEP, MPEK	IP66	Type 1, 3R, 4, 4X, 12, 13
Selector switch: M2SS, M3SS	IP66	Type 1, 3R, 4, 4X, 12, 13
Key-operated selector switch: M2SSK, M3SSK	IP66	Type 1, 3R, 4, 4X, 12
Toggle switch: MTS2, MTS3	IP66	Type 1, 3R, 4, 4X, 12, 13
Heavy duty pushbutton: KP6	-	Type 1, 3R, 4, 4X
Reset pushbutton: KPR	IP66	Type 1, 3R, 4, 4X, 12, 13
Joystick: MJS	IP66, 67, 69K	Type 1, 4X (indoor), 12, 13
Pilot light: ML	IP66	Type 1, 3R, 4, 4X, 12, 13
Potentiometer: MT	IP66	Type 1, 3R, 4, 4X, 12, 13
Contact block : MCB	IP20	-
Plastic enclosure: MEP	IP66	Type 1, 3R, 4, 4X, 12, 13
Metallic enclosures: KEM	IP66, 67, 69K	-

Note: Specified degree of protection is for operator mounted on panel. If other items are mounted in between, please make sure that they are correctly sealed.

Temperature

Ambient temperature during operation	-25 to +70 °C
Storage temperature	-40 to +85 °C

Technical data

Terminals	
Plus-minus pozidriv No.2 screw with DIN-washer.	
Connectable area	min. 1 x 0.5 mm² /AWG 20 max. 2 x 2.5 mm²/2 x AWG14
Tightening torque	
Operators locking nut	Min. 2 Nm / Max. 2.3 Nm
Cable terminals	0.9 Nm
Material	
No ozone depleting substances in the products. All front of panel plastic components are made of polycarbonate	
PC polycarbonate	High impact strength, good outdoor resistance. Chemical resistance (see table below)
PSU polysulphone	Can withstand high temperatures, acids, basic solutions, alkaline compounds, oils, alcohols
PA polyamide	Can withstand high temperatures, aliphatic, aromatic and chlorinated hydrocarbons, esters, ketone-aldehydes, alcohols and basic solutions
PBT	Can withstand high temperature, aliphatic and aromatic hydrocarbons, acids, basic solutions, alcohols, grease and oils
Zinc	Good corrosion resistance in inland-, sea and industrial atmosphere
Light-alloy	Good corrosion resistance in inland-, sea and industrial atmosphere

Chemical resistance for polycarbonate

Chemical class	Effects	
Alcohols and alkalis	Generally compatible at low concentration and room temperature. Higher concentrations and elevated temperatures can result in etching and attack evidenced by decomposition	
Aliphatic hydrocarbons	Generally compatible	
Amines	Surface crystallization and chemical attack.	Avoid
Aromatic hydrocarbons	Partial solvents and severe stress cracking agents (i.e., xylene, toulene)	Avoid
Detergents and cleaners	Mild soap solutions are generally compatible. Strong alkaline materials should be avoided	
Esters	Cause severe crystallization. Partial solvents	Avoid
Greases and oils	Pure petroleum types generally compatible. Many additives used with them are not	
Halogenated, hydrocarbons	Solvents	Avoid
Ketones	Cause severe crystallization and stress cracking. Partial solvents	Avoid
Silicone oil and greases	Generally compatible up to 85 °C	

1SFC151052S0201

Modular range

Technical data

Electrical data

MCB Standard contact blocks (standard and gold plated)

Self cleaning silver contacts, NC contact with positive opening.
At voltages and currents below 24 V and 5.6 mA we recommend our micro switch blocks.

Ratings as per IEC 60947-5-1

Rated insulation voltage, Ui		690 V
Rated thermal current, Ith		10 A
Rated operational current, Ie Utilization category AC 15,	at: 120 V	8 A
	at: 230 V	6 A
	at: 400 V	4 A
	at: 690 V	2 A
Rated operational current, Ie utilisation category DC 13,	at: 24 V	5 A
	at: 125 V	1.1 A
	at: 250 V	0.55 A
Rated impulse withstand voltage	Uimp	6 kV
Pollution degree		3

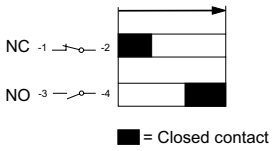
Ratings as per UL, CSA, NEMA		A600 AC		Q600 DC
Rated insulation voltage		600 V		600 V
Rated thermal current		10 A		2.5 A
Rated operational current	at: 120 V	6 A	at: 125 V	0.55 A
	at: 240 V	3 A	at: 250 V	0.27 A
	at: 480 V	1.5 A	at: 480 V	0.10 A
	at: 600 V	1.2 A	at: 600 V	0.10 A

Max. number of contact blocks per operator

The contact blocks can be stacked in max two levels on the 3-block holder. Only one level is accepted on the 5-block holder.

Pushbutton, toggle switch, mushroom pushbutton, double pushbutton, selector switch, key-operated selector switch and emergency stop operator	6
Joystick	8

Short circuit protection

Max. fuse at 1 kA	gG 16A
Diagram for make and break contact MCB, MCBL	

Micro switch block

Ratings as per IEC 60947-5-1

Rated insulation voltage, Ui		125 V
Rated thermal current, Ith		3 A
Rated operational current, Ie utilisation category AC 14,	at: 125 V	0.5 A
Rated operational current, Ie utilisation category DC 13,	at: 24 V	0.3 A
Rated operational current, Ie utilization category DC 12,	at: 24 V	0.1 A

Ratings as per UL 508

	125 V AC	3 A
	60 V DC	0.2 A
	48 V DC	0.1 A

Minimum switching capacity

Standard contact blocks	24 V DC	5.6 mA
Gold plated contact blocks	5 V DC	12 mA
	12 V DC	1 mA
Micro switch blocks	3 V DC	1 mA

Mechanical data

Mechanical life

Standard contact blocks MCB	10 million operations
Micro switch block MCBL	1 million operations
Pushbuttons MP, momentary mushroom pushbuttons MPM	2 million operations

Selector switches M2SS, M3SS

Standard contact blocks and micro switch block	3-position holder		500 000 operations
Standard contact blocks	3-position holder		
Standard contact blocks	5-position holder		
Standard contact blocks in two stacks	3-position holder		

Selector switches - center block operating M3SSC

Standard contact blocks	3-position holder		250 000 operations
Standard contact blocks in two stacks	3-position holder		150 000 operations

Key-operated selector switch M2SSK, M3SSKand double pushbutton MPD	500 000 operations
Emergency stop pushbuttons MPET, MPEP, MPEK	100 000 operations
Toggle switch MTS	1 million operations

Joystick MJS

Micro switch block	4-position holder		500 000 operations
Standard contact blocks	4-position holder		
Standard contact blocks and micro switch block	4-position holder		400 000 operations
Standard contact blocks in two stacks	4-position holder		300 000 operations

LED blocks MLBL

Service life for LED means number of service hours until the brightness has been reduced down 50%. Service life 50 000 h operating at 25 °C, 40-70% rh (relative humidity)

Color of white LED	x=0.31 Y=0.32 means the position of color in the ICI Chromaticity diagram
Voltage tolerance on LED blocks	-30 to +10% voltage is acceptable without affecting the Service life
Voltage peaks on LED blocks	Voltage peaks up to 1000 V. Current peaks up to 500 mA during a few msec.
Glowing light	All integrated LED bulbs have a function built in to cut leakage currents

Modular range

Technical data

LED blocks front and rear mounting MLBL

Color	Current mA Min.	Current mA Max.	Illuminance lx Min.	Illuminance lx Max.	Anti ... inductive peak voltage V	Main wavelength Nm	Color temperature K
Voltage range 6.3 V DC							
Red	8	12	900	3100	2	620 ... 625	–
Green	6	11	3000	11500	2	515 ... 520	–
Yellow	8	12	1000	3400	2	585 ... 590	–
Blue	6	11	1200	4350	2	465 ... 470	–
Clear	6	11	1850	8800	2	–	8000 ... 12000
Voltage range 12 V DC							
Red	11	15	1000	3500	5	620 ... 625	–
Green	8	12	3700	12500	5	515 ... 520	–
Yellow	11	15	1200	4250	5	585 ... 590	–
Blue	8	12	1500	5300	5	465 ... 470	–
Clear	8	12	1800	8500	5	–	8000 ... 12000
Voltage range 24 V AC / DC							
Red	8	12	900	3100	5	620 ... 625	–
Green	8	12	3000	11500	5	515 ... 520	–
Yellow	8	12	1000	3400	5	585 ... 590	–
Blue	8	12	1500	5300	5	465 ... 470	–
Clear	8	11	1800	8500	5	–	8000 ... 12000
Voltage range 48 V AC / DC							
Red	8	12	900	3100	5	620 ... 625	–
Green	8	12	3000	11500	5	515 ... 520	–
Yellow	8	12	1000	3400	5	585 ... 590	–
Blue	8	12	1500	5300	5	465 ... 470	–
Clear	8	12	1800	8500	5	–	8000 ... 12000
Voltage range 60 V AC / DC							
Red	8	12	900	3100	5	620 ... 625	–
Green	8	12	3000	11500	5	515 ... 520	–
Yellow	8	12	1000	3400	5	585 ... 590	–
Blue	8	12	1500	5300	5	465 ... 470	–
Clear	8	12	1800	8500	5	–	8000 ... 12000
Voltage range 110 ... 130 V AC							
Red	8	12	900	3100	15	620 ... 625	–
Green	8	12	3200	12000	15	515 ... 520	–
Yellow	8	12	1000	3700	15	585 ... 590	–
Blue	8	12	1550	5500	15	465 ... 470	–
Clear	8	12	1850	8800	15	–	8000 ... 12000
Voltage range 110 ... 130 V AC high anti-inductive voltage (1)							
Red	14	16	700	2600	25	620 ... 625	–
Green	14	16	2100	8200	25	515 ... 520	–
Yellow	14	16	750	3000	25	585 ... 590	–
Blue	14	16	1000	5000	25	465 ... 470	–
Clear	14	16	1500	8100	25	–	8000 ... 12000
Voltage range 110 ... 130 V DC							
Red	8	12	900	3100	15	620 ... 625	–
Green	8	12	3000	11500	15	515 ... 520	–
Yellow	8	12	1000	3400	15	585 ... 590	–
Blue	8	12	1500	5300	15	465 ... 470	–
Clear	8	12	1800	8500	15	–	8000 ... 12000

Note:
The testing distance of illuminance is 2 mm, between top of lens and the sensor surface. Clean test environment, supply voltage at 50/60 Hz with harmonized wave and without length high frequency.
Rated voltage tolerance of LED blocks: 30% to +10%.
(1) Higher threshold to light up LED to be used in applications where there is risk of large induced voltages.

1SFC151031S0201

Modular range

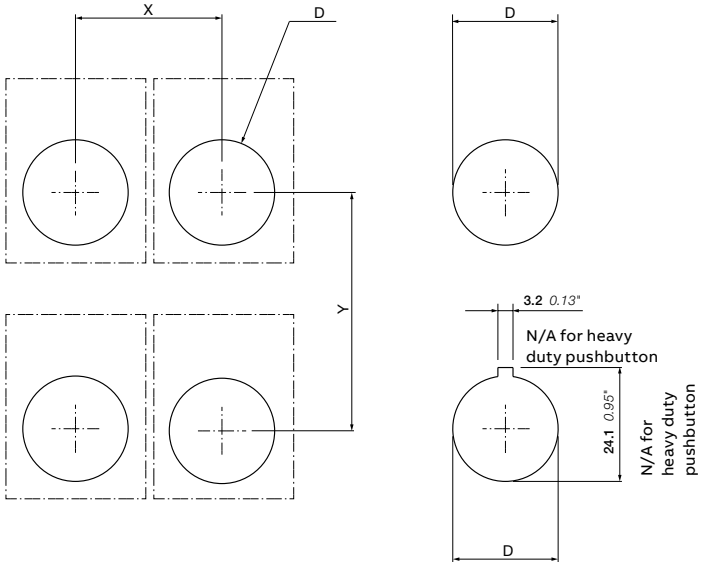
Technical data

Color	Current		Illuminance		Anti-inductive peak voltage	Main wavelength	Color temperature
	mA		lx				
	Min.	Max.	Min.	Max.	V	Nm	K
Voltage range 220 V DC							
Red	7	10	700	2300	15	620 ... 625	–
Green	7	10	2400	8000	15	515 ... 520	–
Yellow	7	10	800	3100	15	585 ... 590	–
Blue	7	10	1200	4350	15	465 ... 470	–
Clear	7	10	1400	7000	15	–	8000 ... 12000
Voltage range 230 V AC							
Red	8	12	900	3100	15	620 ... 625	–
Green	8	12	3000	11500	15	515 ... 520	–
Yellow	8	12	1000	3400	15	585 ... 590	–
Blue	7	11	1500	5300	15	465 ... 470	–
Clear	7	11	1800	8500	15	–	8000 ... 12000
Voltage range 380 V AC							
Red	8	12	900	3100	15	620 ... 625	–
Green	8	12	3000	11500	15	515 ... 520	–
Yellow	8	12	1000	3400	15	585 ... 590	–
Blue	8	12	1500	5300	15	465 ... 470	–
Clear	8	12	1800	8500	15	–	8000 ... 12000
Voltage range 415 V AC							
Red	8	12	900	3100	15	620 ... 625	–
Green	8	12	3000	11500	15	515 ... 520	–
Yellow	8	12	1000	3400	15	585 ... 590	–
Blue	8	12	1500	5300	15	465 ... 470	–
Clear	8	12	1800	8500	15	–	8000 ... 12000
Voltage range 230 V AC high anti-inductive voltage (1)							
Red	8	12	480	1700	55	620 ... 625	–
Green	6	11	1500	5800	55	515 ... 520	–
Yellow	8	12	530	1900	55	585 ... 590	–
Blue	6	11	850	3100	55	465 ... 470	–
Clear	6	11	1000	5200	55	–	8000 ... 12000

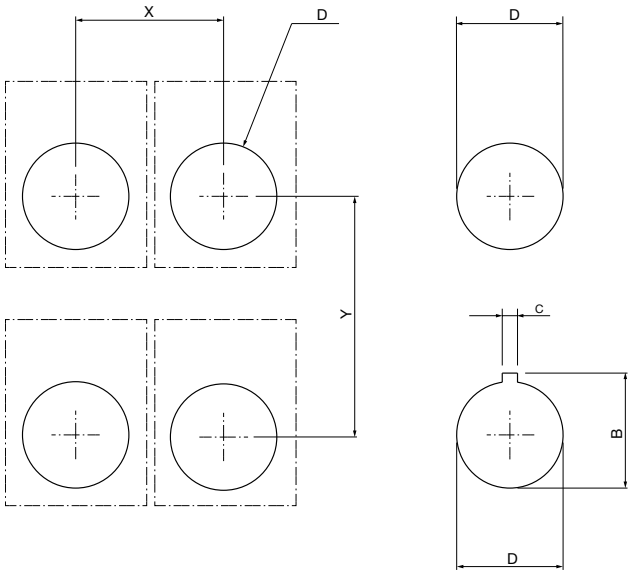
Note:
The testing distance of illuminance is 2 mm, between top of lens and the sensor surface. Clean test environment, supply voltage at 50/60 Hz with harmonized wave and without length high frequency.
Rated voltage tolerance of LED blocks: ... 30% to +10%.
(1) Higher threshold to light up LED to be used in applications where there is risk of large induced voltages.

Modular range

Drilling plan



Description	X	Y	D	Panel thickness
Pushbutton, pilot light, selector switch short handle, potentiometer, toggle switch	**31** 1.22"	**50** 1.97"	Ø **22.3** 0.88"	**1.5** 0.06" - **6** 0.24"
Pushbutton, pilot light, selector switch short handle (with legend plate)	**31** 1.22"	**55** 2.17"	Ø **22.3** 0.88"	**1.5** 0.06" - **6** 0.24"
Mushroom pushbutton (60 mm)	**45** 1.77"	**50** 1.97"	Ø **22.3** 0.88"	**1.5** 0.06" - **6** 0.24"
Mushroom pushbutton (40 mm)	**65** 2.56"	**70** 2.76"	Ø **22.3** 0.88"	**1.5** 0.06" - **6** 0.24"
Double pushbutton	**31** 1.22"	**55** 2.17"	Ø **22.3** 0.88"	**1.5** 0.06" - **6** 0.24"
Double pushbutton (with legend plate)	**31** 1.22"	**95** 3.74"	Ø **22.3** 0.88"	**1.5** 0.06" - **6** 0.24"
Heavy duty pushbutton	**50** 1.97"	**50** 1.97"	Ø **30.5** 1.20"	**2** 0.08" - **5** 0.20"
Potentiometer (with legend plate)	**51** 2.01"	**50** 1.97"	Ø **22.3** 0.88"	**1.5** 0.06" - **6** 0.24"
Toggle switch (with legend plate)	**31** 1.22"	**66** 2.60"	Ø **22.3** 0.88"	**1.5** 0.06" - **6** 0.24"
Joystick (with legend plate)	**100** 3.94"	**100** 3.94"	Ø **22.3** 0.88"	**1.5** 0.06" - **6** 0.24"



Accessories	X	Y	D	B	C	Panel thickness
5 block holder	**51** 2.01"	**50** 1.97"	Ø **22.3** 0.88"	**24.1** 0.95"	**3.2** 0.13"	**1.5** 0.06" - **6** 0.24"
30 mm adaptor	**42** 1.65"	**52** 2.05"	Ø **30.5** 1.20"	**33** 1.30"	**5** 0.20"	**2** 0.08" - **7** 0.28"

Pilot devices
Compact range

Ordering details

53 Non-illuminated pushbuttons
57 Illuminated pushbuttons
61 Mushroom pushbuttons
62 Emergency stop pushbuttons
63 Machine stop pushbuttons
64 Heavy duty pushbuttons
65 Pilot lights
67 Pilot lights BA 9s
67 LED bulbs
69 Selector switches
71 Buzzers

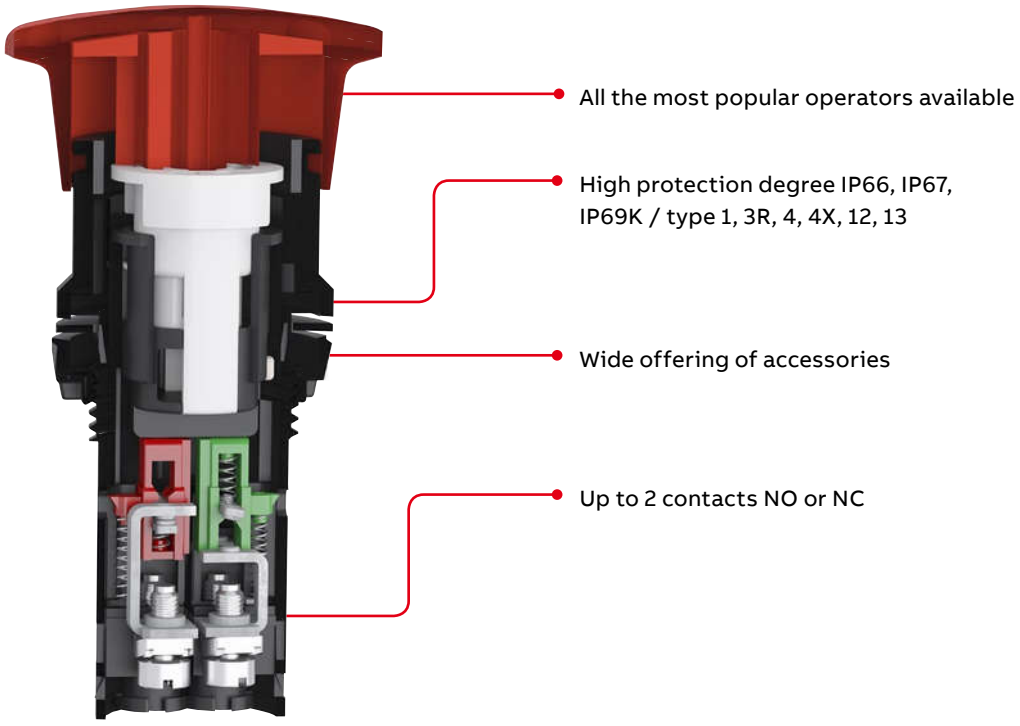
72 **Accessories**

74 **Technical data**

80 **Drilling plan**

Compact range

The compact range is the most efficient solution reducing both installation time and cost thanks to the all-in-one design.
It is perfect for tough environment thanks to the market leading level of dust and water resistance.



Compact range

Non-illuminated flush pushbuttons - Momentary



CP1-10R-10



CP1-30G-10



CP1-10Y-10



CP1-10L-10

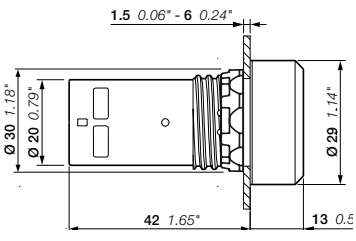


CP1-30W-10



CP1-10B-10

Operator	Bezel	Contacts	Type	Order code	Pkg qty	Weight (1 pce)
						kg
● Red	Black plastic	1 0	CP1-10R-10	1SFA619100R1011	10	0.018
		0 1	CP1-10R-01	1SFA619100R1041	10	0.018
		1 1	CP1-10R-11	1SFA619100R1071	10	0.022
		2 0	CP1-10R-20	1SFA619100R1021	10	0.022
		0 2	CP1-10R-02	1SFA619100R1051	10	0.022
	Chrome metal	1 0	CP1-30R-10	1SFA619100R3011	10	0.032
		0 1	CP1-30R-01	1SFA619100R3041	10	0.032
		1 1	CP1-30R-11	1SFA619100R3071	10	0.036
		2 0	CP1-30R-20	1SFA619100R3021	10	0.036
		0 2	CP1-30R-02	1SFA619100R3051	10	0.036
● Green	Black plastic	1 0	CP1-10G-10	1SFA619100R1012	10	0.018
		1 1	CP1-10G-11	1SFA619100R1072	10	0.022
		2 0	CP1-10G-20	1SFA619100R1022	10	0.022
	Chrome metal	1 0	CP1-30G-10	1SFA619100R3012	10	0.032
		1 1	CP1-30G-11	1SFA619100R3072	10	0.036
		2 0	CP1-30G-20	1SFA619100R3022	10	0.036
● Yellow	Black plastic	1 0	CP1-10Y-10	1SFA619100R1013	10	0.018
		1 1	CP1-10Y-11	1SFA619100R1073	10	0.022
		2 0	CP1-10Y-20	1SFA619100R1023	10	0.022
	Chrome metal	1 0	CP1-30Y-10	1SFA619100R3013	10	0.032
		1 1	CP1-30Y-11	1SFA619100R3073	10	0.036
		2 0	CP1-30Y-20	1SFA619100R3023	10	0.036
● Blue	Black plastic	1 0	CP1-10L-10	1SFA619100R1014	10	0.018
		1 1	CP1-10L-11	1SFA619100R1074	10	0.022
		2 0	CP1-10L-20	1SFA619100R1024	10	0.022
	Chrome metal	1 0	CP1-30L-10	1SFA619100R3014	10	0.032
		1 1	CP1-30L-11	1SFA619100R3074	10	0.036
		2 0	CP1-30L-20	1SFA619100R3024	10	0.036
○ White	Black plastic	1 0	CP1-10W-10	1SFA619100R1015	10	0.018
		1 1	CP1-10W-11	1SFA619100R1075	10	0.022
		2 0	CP1-10W-20	1SFA619100R1025	10	0.022
	Chrome metal	1 0	CP1-30W-10	1SFA619100R3015	10	0.032
		1 1	CP1-30W-11	1SFA619100R3075	10	0.036
		2 0	CP1-30W-20	1SFA619100R3025	10	0.036
● Black	Black plastic	1 0	CP1-10B-10	1SFA619100R1016	10	0.018
		0 1	CP1-10B-01	1SFA619100R1046	10	0.018
		1 1	CP1-10B-11	1SFA619100R1076	10	0.022
		2 0	CP1-10B-20	1SFA619100R1026	10	0.022
		0 2	CP1-10B-02	1SFA619100R1056	10	0.022
	Chrome metal	1 0	CP1-30B-10	1SFA619100R3016	10	0.032
		0 1	CP1-30B-01	1SFA619100R3046	10	0.032
		1 1	CP1-30B-11	1SFA619100R3076	10	0.036
		2 0	CP1-30B-20	1SFA619100R3026	10	0.036
		0 2	CP1-30B-02	1SFA619100R3056	10	0.036



CP1

Dimensions (mm, inches)

Compact range

Non-illuminated flush pushbuttons - Maintained



CP2-10R-10



CP2-10G-10



CP2-10Y-10



CP2-30L-10

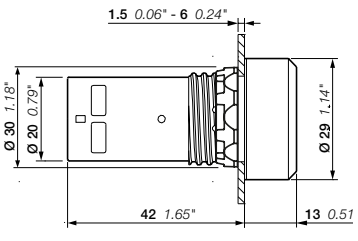


CP2-10W-10



CP2-30B-10

Operator	Bezel	Contacts	Type	Order code	Pkg qty	Weight (1 pce)
						kg
● Red	Black plastic	1 0	CP2-10R-10	1SFA619101R1011	10	0.018
		0 1	CP2-10R-01	1SFA619101R1041	10	0.018
		1 1	CP2-10R-11	1SFA619101R1071	10	0.022
		2 0	CP2-10R-20	1SFA619101R1021	10	0.022
		0 2	CP2-10R-02	1SFA619101R1051	10	0.022
	Chrome metal	1 0	CP2-30R-10	1SFA619101R3011	10	0.032
		0 1	CP2-30R-01	1SFA619101R3041	10	0.032
		1 1	CP2-30R-11	1SFA619101R3071	10	0.036
		2 0	CP2-30R-20	1SFA619101R3021	10	0.036
		0 2	CP2-30R-02	1SFA619101R3051	10	0.036
● Green	Black plastic	1 0	CP2-10G-10	1SFA619101R1012	10	0.018
		1 1	CP2-10G-11	1SFA619101R1072	10	0.022
		2 0	CP2-10G-20	1SFA619101R1022	10	0.022
	Chrome metal	1 0	CP2-30G-10	1SFA619101R3012	10	0.032
		1 1	CP2-30G-11	1SFA619101R3072	10	0.036
		2 0	CP2-30G-20	1SFA619101R3022	10	0.036
● Yellow	Black plastic	1 0	CP2-10Y-10	1SFA619101R1013	10	0.018
		1 1	CP2-10Y-11	1SFA619101R1073	10	0.022
		2 0	CP2-10Y-20	1SFA619101R1023	10	0.022
	Chrome metal	1 1	CP2-30Y-11	1SFA619101R3073	10	0.036
		2 0	CP2-30Y-20	1SFA619101R3023	10	0.036
● Blue	Black plastic	1 0	CP2-10L-10	1SFA619101R1014	10	0.018
		1 1	CP2-10L-11	1SFA619101R1074	10	0.022
		2 0	CP2-10L-20	1SFA619101R1024	10	0.022
	Chrome metal	1 0	CP2-30L-10	1SFA619101R3014	10	0.032
		2 0	CP2-30L-20	1SFA619101R3024	10	0.036
○ White	Black plastic	1 0	CP2-10W-10	1SFA619101R1015	10	0.018
		1 1	CP2-10W-11	1SFA619101R1075	10	0.022
		2 0	CP2-10W-20	1SFA619101R1025	10	0.022
	Chrome metal	1 0	CP2-30W-10	1SFA619101R3015	10	0.032
		2 0	CP2-30W-20	1SFA619101R3025	10	0.036
● Black	Black plastic	1 0	CP2-10B-10	1SFA619101R1016	10	0.018
		0 1	CP2-10B-01	1SFA619101R1046	10	0.018
		1 1	CP2-10B-11	1SFA619101R1076	10	0.022
		2 0	CP2-10B-20	1SFA619101R1026	10	0.022
		0 2	CP2-10B-02	1SFA619101R1056	10	0.022
	Chrome metal	1 0	CP2-30B-10	1SFA619101R3016	10	0.032
		0 1	CP2-30B-01	1SFA619101R3046	10	0.032
		1 1	CP2-30B-11	1SFA619101R3076	10	0.036
		2 0	CP2-30B-20	1SFA619101R3026	10	0.036



CP2

Dimensions (mm, inches)

1SFC151036S0201

Compact range

Non-illuminated extended pushbuttons - Momentary


1SFC151198V0001

CP3-10R-10


1SFC151204V0001

CP3-10G-10


1SFC151197V0001

CP3-30Y-10


1SFC151194V0001

CP3-10L-10

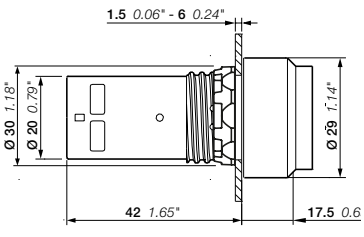

1SFC151203V0001

CP3-30W-10


1SFC151200V0001

CP3-10B-10

Operator	Bezel	Contacts	Type	Order code	Pkg qty	Weight (1 pce)
						kg
● Red	Black plastic	1 0	CP3-10R-10	1SFA619102R1011	10	0.019
		0 1	CP3-10R-01	1SFA619102R1041	10	0.019
		1 1	CP3-10R-11	1SFA619102R1071	10	0.022
		2 0	CP3-10R-20	1SFA619102R1021	10	0.022
		0 2	CP3-10R-02	1SFA619102R1051	10	0.022
	Chrome metal	0 1	CP3-30R-01	1SFA619102R3041	10	0.033
		1 1	CP3-30R-11	1SFA619102R3071	10	0.036
		2 0	CP3-30R-20	1SFA619102R3021	10	0.036
● Green	Black plastic	1 0	CP3-10G-10	1SFA619102R1012	10	0.019
		1 1	CP3-10G-11	1SFA619102R1072	10	0.022
		2 0	CP3-10G-20	1SFA619102R1022	10	0.022
	Chrome metal	1 0	CP3-30G-10	1SFA619102R3012	10	0.033
		1 1	CP3-30G-11	1SFA619102R3072	10	0.036
		2 0	CP3-30G-20	1SFA619102R3022	10	0.036
● Yellow	Black plastic	1 0	CP3-10Y-10	1SFA619102R1013	10	0.019
		1 1	CP3-10Y-11	1SFA619102R1073	10	0.022
		2 0	CP3-10Y-20	1SFA619102R1023	10	0.022
	Chrome metal	2 0	CP3-30Y-20	1SFA619102R3023	10	0.036
● Blue	Black plastic	1 0	CP3-10L-10	1SFA619102R1014	10	0.019
		1 1	CP3-10L-11	1SFA619102R1074	10	0.022
		2 0	CP3-10L-20	1SFA619102R1024	10	0.022
	Chrome metal	2 0	CP3-30L-20	1SFA619102R3024	10	0.036
○ White	Black plastic	1 0	CP3-10W-10	1SFA619102R1015	10	0.019
		1 1	CP3-10W-11	1SFA619102R1075	10	0.022
		2 0	CP3-10W-20	1SFA619102R1025	10	0.022
	Chrome metal	1 0	CP3-30W-10	1SFA619102R3015	10	0.033
		1 1	CP3-30W-11	1SFA619102R3075	10	0.036
		2 0	CP3-30W-20	1SFA619102R3025	10	0.036
● Black	Black plastic	1 0	CP3-10B-10	1SFA619102R1016	10	0.019
		0 1	CP3-10B-01	1SFA619102R1046	10	0.019
		1 1	CP3-10B-11	1SFA619102R1076	10	0.022
		2 0	CP3-10B-20	1SFA619102R1026	10	0.022
		0 2	CP3-10B-02	1SFA619102R1056	10	0.022
	Chrome metal	1 0	CP3-30B-10	1SFA619102R3016	10	0.033
		0 1	CP3-30B-01	1SFA619102R3046	10	0.033
		1 1	CP3-30B-11	1SFA619102R3076	10	0.036
		2 0	CP3-30B-20	1SFA619102R3026	10	0.036



CP3

Dimensions (mm, inches)

Compact range

Non-illuminated extended pushbuttons - Maintained



CP4-30R-11



CP4-30G-10



CP4-10Y-10



CP4-10L-10

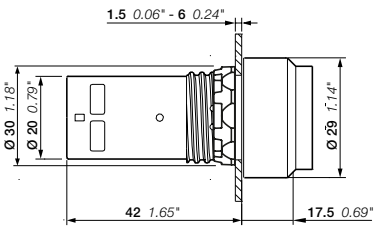


CP4-10W-10



CP4-10B-10

Operator	Bezel	Contacts	Type	Order code	Pkg qty	Weight (1 pce)
						kg
● Red	Black plastic	1 0	CP4-10R-10	1SFA619103R1011	10	0.019
		0 1	CP4-10R-01	1SFA619103R1041	10	0.019
		1 1	CP4-10R-11	1SFA619103R1071	10	0.022
		2 0	CP4-10R-20	1SFA619103R1021	10	0.022
		0 2	CP4-10R-02	1SFA619103R1051	10	0.022
	Chrome metal	1 1	CP4-30R-11	1SFA619103R3071	10	0.036
● Green	Black plastic	1 0	CP4-10G-10	1SFA619103R1012	10	0.019
		1 1	CP4-10G-11	1SFA619103R1072	10	0.022
		2 0	CP4-10G-20	1SFA619103R1022	10	0.022
	Chrome metal	1 0	CP4-30G-10	1SFA619103R3012	10	0.033
		2 0	CP4-30G-20	1SFA619103R3022	10	0.036
● Yellow	Black plastic	1 0	CP4-10Y-10	1SFA619103R1013	10	0.019
		1 1	CP4-10Y-11	1SFA619103R1073	10	0.022
● Blue	Black plastic	1 0	CP4-10L-10	1SFA619103R1014	10	0.019
		1 1	CP4-10L-11	1SFA619103R1074	10	0.022
○ White	Black plastic	1 0	CP4-10W-10	1SFA619103R1015	10	0.019
		1 1	CP4-10W-11	1SFA619103R1075	10	0.022
● Black	Black plastic	1 0	CP4-10B-10	1SFA619103R1016	10	0.019
		1 1	CP4-10B-11	1SFA619103R1076	10	0.022
		2 0	CP4-10B-20	1SFA619103R1026	10	0.022
		0 2	CP4-10B-02	1SFA619103R1056	10	0.022



CP4

Dimensions (mm, inches)

Compact range

Illuminated flush pushbuttons - Momentary



CP1-11R-10



CP1-11G-10



CP1-31Y-10

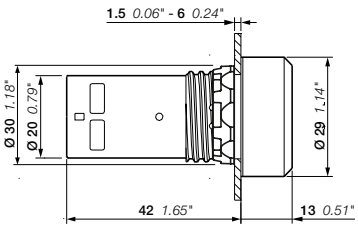


CP1-11L-10



CP1-31C-10

Operator	Bezel	Contacts	Type	Order code	Pkg qty	Weight (1 pce)
						kg
Rated voltage 24 V AC / DC						
● Red	Black plastic	1 0	CP1-11R-10	1SFA619100R1111	10	0.025
		0 1	CP1-11R-01	1SFA619100R1141	10	0.025
	Chrome metal	1 0	CP1-31R-10	1SFA619100R3111	10	0.039
		0 1	CP1-31R-01	1SFA619100R3141	10	0.039
● Green	Black plastic	1 0	CP1-11G-10	1SFA619100R1112	10	0.025
	Chrome metal	1 0	CP1-31G-10	1SFA619100R3112	10	0.039
● Yellow	Black plastic	1 0	CP1-11Y-10	1SFA619100R1113	10	0.025
	Chrome metal	1 0	CP1-31Y-10	1SFA619100R3113	10	0.039
● Blue	Black plastic	1 0	CP1-11L-10	1SFA619100R1114	10	0.025
	Chrome metal	1 0	CP1-31L-10	1SFA619100R3114	10	0.039
		0 1	CP1-31L-01	1SFA619100R3144	10	0.039
○ Clear	Black plastic	1 0	CP1-11C-10	1SFA619100R1118	10	0.025
	Chrome metal	1 0	CP1-31C-10	1SFA619100R3118	10	0.039
Rated voltage 110...130 V AC / DC						
● Red	Black plastic	1 0	CP1-12R-10	1SFA619100R1211	10	0.025
		0 1	CP1-12R-01	1SFA619100R1241	10	0.025
● Green	Black plastic	1 0	CP1-12G-10	1SFA619100R1212	10	0.025
● Yellow	Black plastic	1 0	CP1-12Y-10	1SFA619100R1213	10	0.025
● Blue	Black plastic	1 0	CP1-12L-10	1SFA619100R1214	10	0.025
○ Clear	Black plastic	1 0	CP1-12C-10	1SFA619100R1218	10	0.025
Rated voltage 220 V AC / DC						
● Red	Black plastic	1 0	CP1-13R-10	1SFA619100R1311	10	0.025
		0 1	CP1-13R-01	1SFA619100R1341	10	0.025
● Green	Black plastic	1 0	CP1-13G-10	1SFA619100R1312	10	0.025
● Yellow	Black plastic	1 0	CP1-13Y-10	1SFA619100R1313	10	0.025
● Blue	Black plastic	1 0	CP1-13L-10	1SFA619100R1314	10	0.025
○ Clear	Black plastic	1 0	CP1-13C-10	1SFA619100R1318	10	0.025



CP1

Dimensions (mm, inches)

1SFC151039S0201

Compact range

Illuminated flush pushbuttons - Maintained



CP2-11G-10



CP2-11Y-10

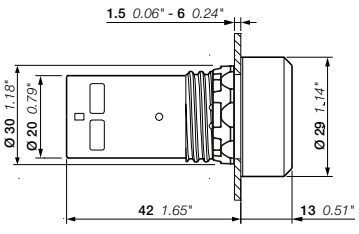


CP1-11L-10



CP2-11C-10

Operator	Bezel	Contacts	Type	Order code	Pkg qty	Weight (1 pce)
						kg
Rated voltage 24 V AC / DC						
● Red	Black plastic	1 0	CP2-11R-10	1SFA619101R1111	10	0.025
		0 1	CP2-11R-01	1SFA619101R1141	10	0.025
● Green	Black plastic	1 0	CP2-11G-10	1SFA619101R1112	10	0.025
● Yellow	Black plastic	1 0	CP2-11Y-10	1SFA619101R1113	10	0.025
● Blue	Black plastic	1 0	CP2-11L-10	1SFA619101R1114	10	0.025
○ Clear	Black plastic	1 0	CP2-11C-10	1SFA619101R1118	10	0.025
Rated voltage 110...130 V AC / DC						
● Red	Black plastic	1 0	CP2-12R-10	1SFA619101R1211	10	0.025
		0 1	CP2-12R-01	1SFA619101R1241	10	0.025
● Green	Black plastic	1 0	CP2-12G-10	1SFA619101R1212	10	0.025
● Yellow	Black plastic	1 0	CP2-12Y-10	1SFA619101R1213	10	0.025
● Blue	Black plastic	1 0	CP2-12L-10	1SFA619101R1214	10	0.025
○ Clear	Black plastic	1 0	CP2-12C-10	1SFA619101R1218	10	0.025
Rated voltage 220 V AC / DC						
● Red	Black plastic	1 0	CP2-13R-10	1SFA619101R1311	10	0.025
		0 1	CP2-13R-01	1SFA619101R1341	10	0.025
● Green	Black plastic	1 0	CP2-13G-10	1SFA619101R1312	10	0.025
● Yellow	Black plastic	1 0	CP2-13Y-10	1SFA619101R1313	10	0.025
● Blue	Black plastic	1 0	CP2-13L-10	1SFA619101R1314	10	0.025
○ Clear	Black plastic	1 0	CP2-13C-10	1SFA619101R1318	10	0.025



CP1

Dimensions (mm, inches)

Compact range

Illuminated extended pushbuttons - Momentary



1SFC151210V0001

CP3-11R-10



1SFC151213V0001

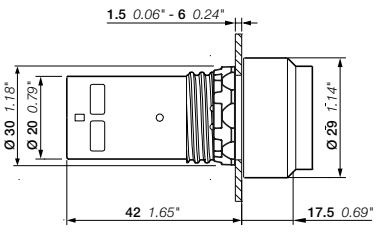
CP3-11G-10



1SFC151208V0001

CP3-11Y-10

Operator	Bezel	Contacts	Type	Order code	Pkg qty	Weight (1 pce)
						kg
Rated voltage 24 V AC / DC						
● Red	Black plastic	1 0	CP3-11R-10	1SFA619102R1111	10	0.025
		0 1	CP3-11R-01	1SFA619102R1141	10	0.025
● Green	Black plastic	1 0	CP3-11G-10	1SFA619102R1112	10	0.025
● Yellow	Black plastic	1 0	CP3-11Y-10	1SFA619102R1113	10	0.025
● Blue	Black plastic	1 0	CP3-11L-10	1SFA619102R1114	10	0.025
○ Clear	Black plastic	1 0	CP3-11C-10	1SFA619102R1118	10	0.025
Rated voltage 110...130 V AC / DC						
● Red	Black plastic	1 0	CP3-12R-10	1SFA619102R1211	10	0.025
		0 1	CP3-12R-01	1SFA619102R1241	10	0.025
● Green	Black plastic	1 0	CP3-12G-10	1SFA619102R1212	10	0.025
● Yellow	Black plastic	1 0	CP3-12Y-10	1SFA619102R1213	10	0.025
● Blue	Black plastic	1 0	CP3-12L-10	1SFA619102R1214	10	0.025
○ Clear	Black plastic	1 0	CP3-12C-10	1SFA619102R1218	10	0.025
Rated voltage 220 V AC / DC						
● Red	Black plastic	1 0	CP3-13R-10	1SFA619102R1311	10	0.025
		0 1	CP3-13R-01	1SFA619102R1341	10	0.025
● Green	Black plastic	1 0	CP3-13G-10	1SFA619102R1312	10	0.025
● Yellow	Black plastic	1 0	CP3-13Y-10	1SFA619102R1313	10	0.025
● Blue	Black plastic	1 0	CP3-13L-10	1SFA619102R1314	10	0.025
○ Clear	Black plastic	1 0	CP3-13C-10	1SFA619102R1318	10	0.025



CP3

Dimensions (mm, inches)

Compact range

Illuminated extended pushbuttons - Maintained



1SFC151210V0001

CP4-11R-10



1SFC151213V0001

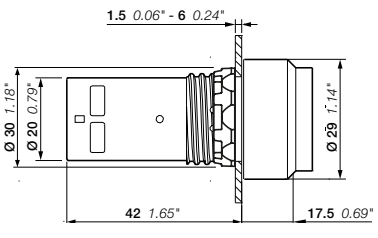
CP4-11G-10



1SFC151208V0001

CP4-11Y-10

Operator	Bezel	Contacts	Type	Order code	Pkg qty	Weight (1 pce)
						kg
Rated voltage 24 V AC / DC						
● Red	Black plastic	1 0	CP4-11R-10	1SFA619103R1111	10	0.025
		0 1	CP4-11R-01	1SFA619103R1141	10	0.025
● Green	Black plastic	1 0	CP4-11G-10	1SFA619103R1112	10	0.025
● Yellow	Black plastic	1 0	CP4-11Y-10	1SFA619103R1113	10	0.025
● Blue	Black plastic	1 0	CP4-11L-10	1SFA619103R1114	10	0.025
○ Clear	Black plastic	1 0	CP4-11C-10	1SFA619103R1118	10	0.025
Rated voltage 110...130 V AC / DC						
● Red	Black plastic	1 0	CP4-12R-10	1SFA619103R1211	10	0.025
		0 1	CP4-12R-01	1SFA619103R1241	10	0.025
● Green	Black plastic	1 0	CP4-12G-10	1SFA619103R1212	10	0.025
● Yellow	Black plastic	1 0	CP4-12Y-10	1SFA619103R1213	10	0.025
● Blue	Black plastic	1 0	CP4-12L-10	1SFA619103R1214	10	0.025
○ Clear	Black plastic	1 0	CP4-12C-10	1SFA619103R1218	10	0.025
Rated voltage 220 V AC / DC						
● Red	Black plastic	1 0	CP4-13R-10	1SFA619103R1311	10	0.025
		0 1	CP4-13R-01	1SFA619103R1341	10	0.025
● Green	Black plastic	1 0	CP4-13G-10	1SFA619103R1312	10	0.025
● Yellow	Black plastic	1 0	CP4-13Y-10	1SFA619103R1313	10	0.025
● Blue	Black plastic	1 0	CP4-13L-10	1SFA619103R1314	10	0.025
○ Clear	Black plastic	1 0	CP4-13C-10	1SFA619103R1318	10	0.025



CP4

Dimensions (mm, inches)

Compact range

Non-illuminated mushroom pushbuttons - Momentary


1SFC151258V0001

CPM3-10R-11


1SFC151357V0001

CPM3-10G-11


1SFC151259V0001

CPM3-10Y-11

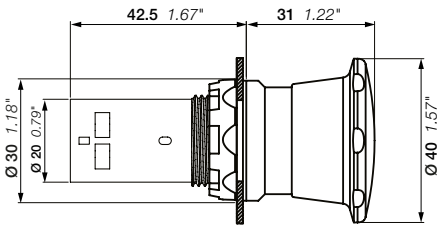

1SFC151260V0001

CPM3-10L-11


1SFC151358V0001

CPM3-10B-11

Operator	Contacts	Type	Order code	Pkg qty	Weight (1 pce)
					kg
Ø 40 mm					
Red	1 1	CPM3-10R-11	1SFA619126R1071	1	0.036
Green	1 1	CPM3-10G-11	1SFA619126R1072	1	0.036
Yellow	1 1	CPM3-10Y-11	1SFA619126R1073	1	0.036
Blue	1 1	CPM3-10L-11	1SFA619126R1074	1	0.036
Black	1 1	CPM3-10B-11	1SFA619126R1076	1	0.036



CPM3

Dimensions (mm, inches)

Compact range

Non-illuminated emergency stop pushbuttons


1SFC151161V0001

CE3T-10R-01


1SFC151163V0001

CE3K1-10R-01


1SFC151164V0001

CE4T-10R-01


1SFC151165V0001

CE4P-10R-01

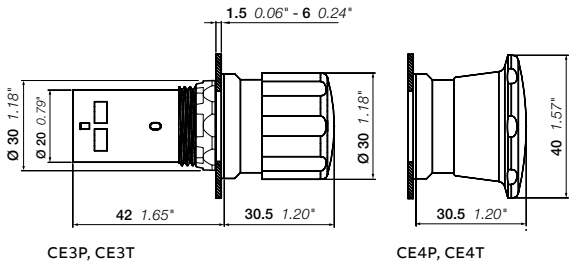

1SFC151166V0001

CE4K1-10R-02

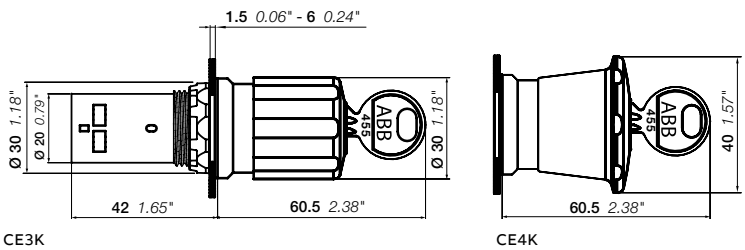
Description

The emergency stop pushbuttons conform to the standard EN/IEC 60947-5-5, Safety of machinery standard EN/ISO 13850, IEC 60204-1 and to Machinery directive 2006/42/EC.

Operator	Release method	Contacts	Type	Order code	Pkg qty	Weight (1 pce)
						kg
Ø 30 mm						
● Red	Twist release	0 1	CE3T-10R-01	1SFA619500R1041	1	0.032
		1 1	CE3T-10R-11	1SFA619500R1071	1	0.032
		0 2	CE3T-10R-02	1SFA619500R1051	1	0.032
● Red	Pull release	0 1	CE3P-10R-01	1SFA619501R1041	1	0.032
		1 1	CE3P-10R-11	1SFA619501R1071	1	0.032
		0 2	CE3P-10R-02	1SFA619501R1051	1	0.032
● Red	Key code 455	0 1	CE3K1-10R-01	1SFA619502R1041	1	0.060
		1 1	CE3K1-10R-11	1SFA619502R1071	1	0.060
		0 2	CE3K1-10R-02	1SFA619502R1051	1	0.060
Ø 40 mm						
● Red	Twist release	0 1	CE4T-10R-01	1SFA619550R1041	1	0.036
		1 1	CE4T-10R-11	1SFA619550R1071	1	0.036
		0 2	CE4T-10R-02	1SFA619550R1051	1	0.036
● Red	Pull release	0 1	CE4P-10R-01	1SFA619551R1041	1	0.036
		1 1	CE4P-10R-11	1SFA619551R1071	1	0.036
		0 2	CE4P-10R-02	1SFA619551R1051	1	0.036
● Red	Key code 455	0 1	CE4K1-10R-01	1SFA619552R1041	1	0.064
		1 1	CE4K1-10R-11	1SFA619552R1071	1	0.064
		0 2	CE4K1-10R-02	1SFA619552R1051	1	0.064



CE3P, CE3T CE4P, CE4T



CE3K CE4K

Dimensions (mm, inches)

Compact range

Non-illuminated machine stop pushbuttons



CE3T-10B-11



CE3P-10B-11

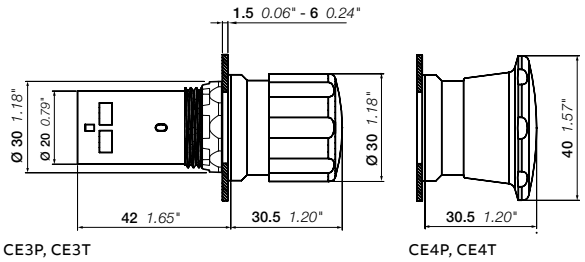


CE4T-10B-11

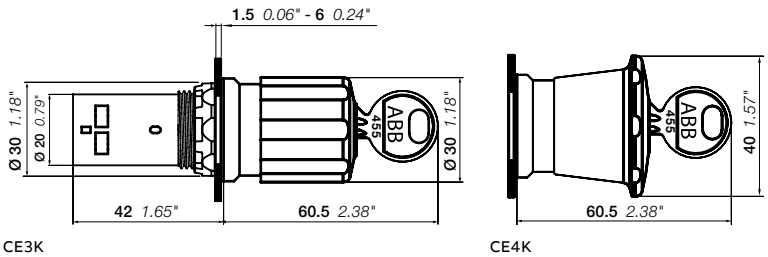


CE4P-10B-11

Operator	Release method	Contacts	Type	Order code	Pkg qty	Weight (1 pce)
						kg
Ø 30 mm						
● Black	Twist release	0 1	CE3T-10B-01	1SFA619500R1046	1	0.032
		1 1	CE3T-10B-11	1SFA619500R1076	1	0.032
● Black	Pull release	1 1	CE3P-10B-11	1SFA619501R1076	1	0.032
● Black	Key code 455	1 1	CE3K1-10B-11	1SFA619502R1076	1	0.060
Ø 40 mm						
● Black	Twist release	1 0	CE4T-10B-10	1SFA619550R1016	1	0.032
		0 1	CE4T-10B-01	1SFA619550R1046	1	0.032
		1 1	CE4T-10B-11	1SFA619550R1076	1	0.032
		2 0	CE4T-10B-20	1SFA619550R1026	1	0.032
		0 2	CE4T-10B-02	1SFA619550R1056	1	0.032
● Black	Pull release	1 1	CE4P-10B-11	1SFA619551R1076	1	0.032
● Black	Key code 455	1 1	CE4K1-10B-11	1SFA619552R1076	1	0.064



CE3P, CE3T CE4P, CE4T



CE3K CE4K

Dimensions (mm, inches)

Compact range

Heavy duty pushbuttons



1SFC151025V0001

CP6-10R-11



1SFC151024V0001

CP6-10G-11



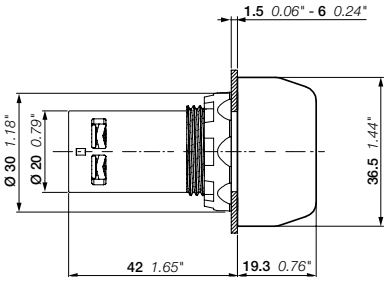
1SFC151023V0001

CP6-10B-11

Description

Silicone rubber cap.

Color	Contacts	Type	Order code	Pkg qty	Weight (1 pce)
					kg
● Red	1 1	CP6-10R-11	1SFA619105R1071	10	0.031
	2 0	CP6-10R-20	1SFA619105R1021	10	0.031
	0 2	CP6-10R-02	1SFA619105R1051	10	0.031
● Green	1 1	CP6-10G-11	1SFA619105R1072	10	0.031
	2 0	CP6-10G-20	1SFA619105R1022	10	0.031
● Black	1 1	CP6-10B-11	1SFA619105R1076	10	0.031
	2 0	CP6-10B-20	1SFA619105R1026	10	0.031
	0 2	CP6-10B-02	1SFA619105R1056	10	0.031



CP6

Dimensions (mm, inches)

Compact range
Pilot lights


1SFC151338V0001

CL2-502R


1SFC151339V0001

CL2-506G


1SFC151340V0001

CL2-508Y


1SFC151341V0001

CL2-506L


1SFC151342V0001

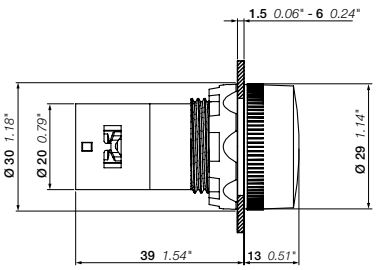
CL2-506C

Description

Integrated LED, no bulb needed.

Color	Rated current	Anti-inductive voltage	Wavelength	Illumination	Type	Order code	Pkg qty	Weight (1 pce)
	mA	Vpeak	nm	lx				kg
Voltage 6.3 V								
Red	16	2	625	70	CL2-506R	1SFA619403R5061	10	0.016
Green	16	2	520	125	CL2-506G	1SFA619403R5062	10	0.016
Yellow	16	2	590	75	CL2-506Y	1SFA619403R5063	10	0.016
Blue	16	2	470	10	CL2-506L	1SFA619403R5064	10	0.016
Clear	16	2	(1)	290	CL2-506C	1SFA619403R5068	10	0.016
Voltage 12 V DC								
Red	16	2	625	110	CL2-501R	1SFA619403R5011	10	0.016
Green	16	2.5	520	165	CL2-501G	1SFA619403R5012	10	0.016
Yellow	16	2.5	590	85	CL2-501Y	1SFA619403R5013	10	0.016
Blue	16	2.5	470	15	CL2-501L	1SFA619403R5014	10	0.016
Clear	16	2.5	(1)	320	CL2-501C	1SFA619403R5018	10	0.016
Voltage 24 V AC / DC								
Red	16	6	625	80	CL2-502R	1SFA619403R5021	10	0.016
Green	16	6	520	135	CL2-502G	1SFA619403R5022	10	0.016
Yellow	16	6	590	55	CL2-502Y	1SFA619403R5023	10	0.016
Blue	16	6	470	10	CL2-502L	1SFA619403R5024	10	0.016
Clear	16	6	(1)	230	CL2-502C	1SFA619403R5028	10	0.016
Voltage 48 ... 60 V AC / DC								
Red	13-17	7	625	75	CL2-507R	1SFA619403R5071	10	0.016
Green	13-17	7	520	140	CL2-507G	1SFA619403R5072	10	0.016
Yellow	13-17	7	590	80	CL2-507Y	1SFA619403R5073	10	0.016
Blue	13-17	7	470	10	CL2-507L	1SFA619403R5074	10	0.016
Clear	13-17	7	(1)	260	CL2-507C	1SFA619403R5078	10	0.016
Voltage 110 ... 130 V AC								
Red	15-17	20	625	85	CL2-513R	1SFA619403R5131	10	0.016
Green	15-17	20	520	90	CL2-513G	1SFA619403R5132	10	0.016
Yellow	15-17	20	590	85	CL2-513Y	1SFA619403R5133	10	0.016
Blue	15-17	20	470	10	CL2-513L	1SFA619403R5134	10	0.016
Clear	15-17	20	(1)	340	CL2-513C	1SFA619403R5138	10	0.016
Voltage 110 ... 130 V DC								
Red	8-9	20	625	55	CL2-515R	1SFA619403R5151	10	0.016
Green	8-9	20	520	125	CL2-515G	1SFA619403R5152	10	0.016
Yellow	8-9	20	590	50	CL2-515Y	1SFA619403R5153	10	0.016
Blue	8-9	20	470	10	CL2-515L	1SFA619403R5154	10	0.016
Clear	8-9	20	(1)	210	CL2-515C	1SFA619403R5158	10	0.016

(1) X = 0.31, Y = 0.32



CL2

Dimensions (mm, inches)

Compact range
Pilot lights


1SFC151338V0001
CL2-502R


1SFC151339V0001
CL2-506G


1SFC151340V0001
CL2-508Y

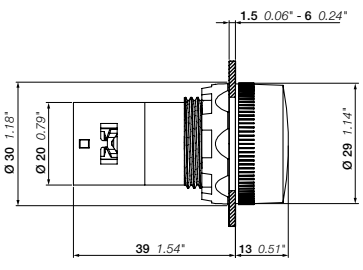

1SFC151341V0001
CL2-506L


1SFC151342V0001
CL2-506C

Description
Integrated LED, no bulb needed.

Color	Rated current	Anti-inductive voltage	Wave-length	Illumi-nation	Type	Order code	Pkg qty	Weight (1 pce)
	mA	Vpeak	nm	lx				kg
Voltage 220 V DC								
Red	6	20	625	40	CL2-520R	1SFA619403R5201	10	0.016
Green	6	20	520	90	CL2-520G	1SFA619403R5202	10	0.016
Yellow	6	20	590	30	CL2-520Y	1SFA619403R5203	10	0.016
Blue	6	20	470	5	CL2-520L	1SFA619403R5204	10	0.016
Clear	6	20	(1)	120	CL2-520C	1SFA619403R5208	10	0.016
Voltage 230 V AC								
Red	17	30	625	95	CL2-523R	1SFA619403R5231	10	0.016
Green	17	35	520	155	CL2-523G	1SFA619403R5232	10	0.016
Yellow	17	35	590	70	CL2-523Y	1SFA619403R5233	10	0.016
Blue	17	35	470	10	CL2-523L	1SFA619403R5234	10	0.016
Clear	17	35	(1)	225	CL2-523C	1SFA619403R5238	10	0.016
Rated voltage 230 V AC high anti-inductive voltage (2)								
Red	17	60	625	75	CL2-623R	1SFA619403R6231	10	0.016
Green	17	80	520	70	CL2-623G	1SFA619403R6232	10	0.016
Yellow	17	70	590	50	CL2-623Y	1SFA619403R6233	10	0.016
Blue	17	80	470	5	CL2-623L	1SFA619403R6234	10	0.016
Clear	17	80	(1)	155	CL2-623C	1SFA619403R6238	10	0.016
Rated voltage 380 ... 415 V AC								
Red	15-17	55	625	85	CL2-542R	1SFA619403R5421	10	0.016
Green	15-17	65	520	130	CL2-542G	1SFA619403R5422	10	0.016
Yellow	15-17	65	590	60	CL2-542Y	1SFA619403R5423	10	0.016
Blue	15-17	65	470	10	CL2-542L	1SFA619403R5424	10	0.016
Clear	15-17	65	(1)	395	CL2-542C	1SFA619403R5428	10	0.016

(1) X = 0.31, Y = 0.32
(2) Higher threshold to light up LED to be used in application where there is risk of large induced voltages.



CL2

Dimensions (mm, inches)

Compact range

Pilot lights BA 9s



CL-100R



CL-100L

Description

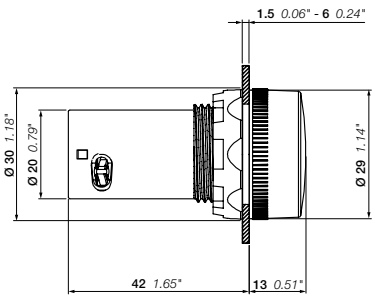
Bulb not included and should be ordered separately, see Accessories section for order codes and information.

Color	Type	Order code	Pkg qty	Weight (1 pce) kg
Red	CL-100R	1SFA619402R1001	10	0.018
Green	CL-100G	1SFA619402R1002	10	0.018
Yellow	CL-100Y	1SFA619402R1003	10	0.018
Blue	CL-100L	1SFA619402R1004	10	0.018
White	CL-100W	1SFA619402R1005	10	0.018
Clear	CL-100C	1SFA619402R1008	10	0.018

Accessories for compact range

Flashing LED bulbs for CL-100 pilot lights

Color	Wavelength nm	Type	Order code	Pkg qty	Weight (1 pce) kg
Rated voltage 24 V DC rated current 25 mA, service life > 50 000 h					
Red	630	–	4950512-1	20	0.005
Green	565	–	4950512-2	20	0.005
Yellow	585	–	4950512-3	20	0.005



CL100

Dimensions (mm, inches)

Accessories for compact range

LED bulbs for CL-100 pilot lights



1SFC151178F0001

KA2...

Color	Wavelength	Luminance	Type	Order code	Pkg qty	Weight (1 pce)
	nm	mdc				kg
Rated voltage 12 V DC rated current 15 mA, service life > 50 000 h						
Red	630	250	KA2-2011	1SFA616921R2011	20	0.005
Green	525	1000	KA2-2012	1SFA616921R2012	20	0.005
Yellow	592	250	KA2-2013	1SFA616921R2013	20	0.005
Blue	470	450	KA2-2014	1SFA616921R2014	20	0.005
White	(1)	600	KA2-2015	1SFA616921R2015	20	0.005
Rated voltage 24 V (AC) / DC rated current 15 mA, service life > 50 000 h						
Red	630	250	KA2-2021	1SFA616921R2021	20	0.005
Green	525	800	KA2-2022	1SFA616921R2022	20	0.005
Yellow	592	250	KA2-2023	1SFA616921R2023	20	0.005
Blue	470	400	KA2-2024	1SFA616921R2024	20	0.005
White	(1)	500	KA2-2025	1SFA616921R2025	20	0.005
Rated voltage 36 V (AC) / DC rated current 12 mA, service life > 50 000 h						
Red	630	200	KA2-2031	1SFA616921R2031	20	0.005
Green	525	2000	KA2-2032	1SFA616921R2032	20	0.005
Yellow	592	200	KA2-2033	1SFA616921R2033	20	0.005
Blue	470	750	KA2-2034	1SFA616921R2034	20	0.005
White	(1)	1400	KA2-2035	1SFA616921R2035	20	0.005
Rated voltage 48 V (AC) / DC rated current 12 mA, service life > 50 000 h						
Red	630	200	KA2-2041	1SFA616921R2041	20	0.005
Green	525	1700	KA2-2042	1SFA616921R2042	20	0.005
Yellow	592	240	KA2-2043	1SFA616921R2043	20	0.005
Blue	470	720	KA2-2044	1SFA616921R2044	20	0.005
White	(1)	1200	KA2-2045	1SFA616921R2045	20	0.005
Rated voltage 60 V (AC) / DC rated current 10 mA, service life > 50 000 h						
Red	630	160	KA2-2051	1SFA616921R2051	20	0.005
Green	525	1400	KA2-2052	1SFA616921R2052	20	0.005
Yellow	592	200	KA2-2053	1SFA616921R2053	20	0.005
Blue	470	600	KA2-2054	1SFA616921R2054	20	0.005
White	(1)	1000	KA2-2055	1SFA616921R2055	20	0.005
Rated voltage 110 ... 130 V AC rated current 4-6 mA, service life 25 000 h						
Red	630	60-100	KA2-2131	1SFA616921R2131	20	0.005
Green	525	500-850	KA2-2132	1SFA616921R2132	20	0.005
Yellow	592	70-120	KA2-2133	1SFA616921R2133	20	0.005
Blue	470	220-350	KA2-2134	1SFA616921R2134	20	0.005
White	(1)	350-600	KA2-2135	1SFA616921R2135	20	0.005
Rated voltage 110 ... 130 V (AC) / DC rated current 4-6 mA, service life 25 000 h						
Red	630	60	KA2-2141	1SFA616921R2141	20	0.005
Green	525	500	KA2-2142	1SFA616921R2142	20	0.005
Yellow	592	70	KA2-2143	1SFA616921R2143	20	0.005
Blue	470	220	KA2-2144	1SFA616921R2144	20	0.005
White	(1)	350	KA2-2145	1SFA616921R2145	20	0.005
Rated voltage 230 V AC rated current 4 mA, service life 25 000 h						
Red	630	60	KA2-2221	1SFA616921R2221	20	0.005
Green	525	500	KA2-2222	1SFA616921R2222	20	0.005
Yellow	592	70	KA2-2223	1SFA616921R2223	20	0.005
Blue	470	220	KA2-2224	1SFA616921R2224	20	0.005
White	(1)	350	KA2-2225	1SFA616921R2225	20	0.005
Rated voltage 230 V (AC) / DC rated current 4 mA, service life 25 000 h						
Red	630	60	KA2-2231	1SFA616921R2231	20	0.005
Green	525	500	KA2-2232	1SFA616921R2232	20	0.005
Yellow	592	70	KA2-2233	1SFA616921R2233	20	0.005
Blue	470	220	KA2-2234	1SFA616921R2234	20	0.005
White	(1)	350	KA2-2235	1SFA616921R2235	20	0.005

Note: Choose the same color on the LED as on the lamp cap. (1) X=0.31, Y=0.32 according to the ICI chromaticity diagram.

1SFC151051S0201

Compact range

Non-illuminated selector switches - 2-position



C2SS1-10B-10



C2SS3-30B-10

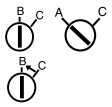
Description

Compact selector switches are delivered in black color.

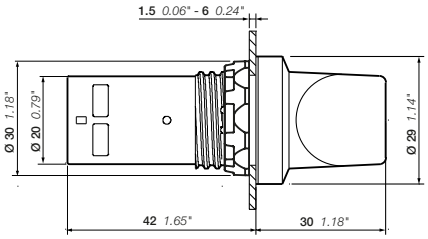
Operating principle	Bezel	Contacts	Type	Order code	Pkg qty	Weight (1 pce)
						kg
Short handle						
B C	Black plastic	1 0	C2SS1-10B-10	1SFA619200R1016	10	0.02
		0 1	C2SS1-10B-01	1SFA619200R1046	10	0.02
		1 1	C2SS1-10B-11	1SFA619200R1076	10	0.024
		2 0	C2SS1-10B-20	1SFA619200R1026	10	0.024
	Chrome metal	1 0	C2SS1-30B-10	1SFA619200R3016	10	0.029
		0 1	C2SS1-30B-01	1SFA619200R3046	10	0.029
		1 1	C2SS1-30B-11	1SFA619200R3076	10	0.032
		2 0	C2SS1-30B-20	1SFA619200R3026	10	0.032
A C	Black plastic	1 0	C2SS2-10B-10	1SFA619201R1016	10	0.02
		0 1	C2SS2-10B-01	1SFA619201R1046	10	0.02
		1 1	C2SS2-10B-11	1SFA619201R1076	10	0.024
		2 0	C2SS2-10B-20	1SFA619201R1026	10	0.024
	Chrome metal	1 0	C2SS2-30B-10	1SFA619201R3016	10	0.029
		0 1	C2SS2-30B-01	1SFA619201R3046	10	0.029
		1 1	C2SS2-30B-11	1SFA619201R3076	10	0.032
		2 0	C2SS2-30B-20	1SFA619201R3026	10	0.032
B C	Black plastic	1 0	C2SS3-10B-10	1SFA619202R1016	10	0.02
		0 1	C2SS3-10B-01	1SFA619202R1046	10	0.02
		1 1	C2SS3-10B-11	1SFA619202R1076	10	0.024
		2 0	C2SS3-10B-20	1SFA619202R1026	10	0.024
	Chrome metal	1 0	C2SS3-30B-10	1SFA619202R3016	10	0.029
		1 1	C2SS3-30B-11	1SFA619202R3076	10	0.032
		2 0	C2SS3-30B-20	1SFA619202R3026	10	0.032
Long handle						
A C	Chrome metal	1 0	C2SS5-30B-10	1SFA619204R3016	10	0.029
		1 1	C2SS5-30B-11	1SFA619204R3076	10	0.032

Contacts actuated

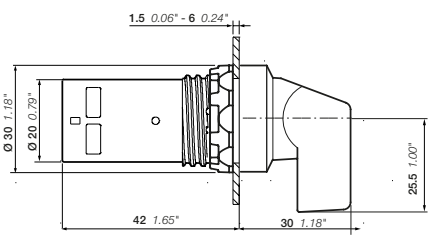
2-position selector switch
Contacts included,



	actuated in position C			
	NC	NO	NC	NO
	11	13	21	23
	12	14	22	24
1 NO	–	1	–	–
2 NO	–	1	–	1
1 NC	1	–	–	–
2 NC	1	–	1	–
1 NO + 1 NC	–	1	1	–



C2SS, short handle



C2SS, long handle

Dimensions (mm, inches)

1SFC151046S0201

Compact range

Non-illuminated selector switches - 3-position



1SFC151255V0001

C3SS1-10B-11



1SFC151359V0001

C3SS2-30B-20

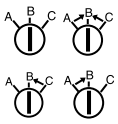
Description

Compact selector switches operators are delivered in black color.

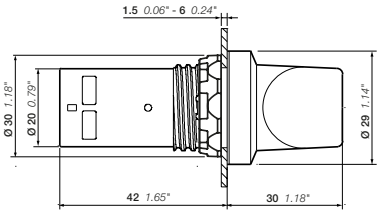
Operating principle	Bezel	Contacts	Type	Order code	Pkg qty	Weight (1 pce)
						kg
Short handle						
	Black plastic	1 1	C3SS1-10B-11	1SFA619210R1076	10	0.024
		2 0	C3SS1-10B-20	1SFA619210R1026	10	0.024
	Chrome metal	1 1	C3SS1-30B-11	1SFA619210R3076	10	0.032
		2 0	C3SS1-30B-20	1SFA619210R3026	10	0.032
	Black plastic	1 1	C3SS2-10B-11	1SFA619211R1076	10	0.024
		2 0	C3SS2-10B-20	1SFA619211R1026	10	0.024
	Chrome metal	1 1	C3SS2-30B-11	1SFA619211R3076	10	0.032
		2 0	C3SS2-30B-20	1SFA619211R3026	10	0.032
	Black plastic	1 1	C3SS3-10B-11	1SFA619212R1076	10	0.024
		2 0	C3SS3-10B-20	1SFA619212R1026	10	0.024
	Chrome metal	1 1	C3SS3-30B-11	1SFA619212R3076	10	0.032
		2 0	C3SS3-30B-20	1SFA619212R3026	10	0.032
	Black plastic	1 1	C3SS7-10B-11	1SFA619216R1076	10	0.024
		2 0	C3SS7-10B-20	1SFA619216R1026	10	0.024
	Chrome metal	2 0	C3SS7-30B-20	1SFA619216R3026	10	0.032
Long handle						
	Black plastic	1 1	C3SS4-10B-11	1SFA619213R1076	10	0.024
		2 0	C3SS4-10B-20	1SFA619213R1026	10	0.024
	Black plastic	1 1	C3SS5-10B-11	1SFA619214R1076	10	0.024
		2 0	C3SS5-10B-20	1SFA619214R1026	10	0.024
	Chrome metal	1 1	C3SS5-30B-11	1SFA619214R3076	10	0.032
		2 0	C3SS5-30B-20	1SFA619214R3026	10	0.032
	Black plastic	2 0	C3SS6-10B-20	1SFA619215R1026	10	0.024
	Black plastic	2 0	C3SS8-10B-20	1SFA619217R1026	10	0.024

Contacts actuated

3-position selector switch
Contacts included,

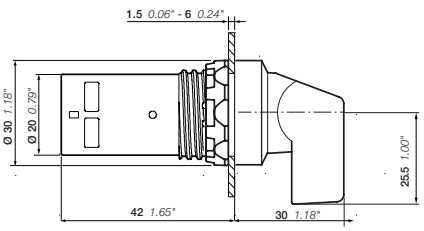


actuated in position:	A		C	
	NC	NO	NC	NO
	21	23	11	13
	22	24	12	14
2 NO	–	1	–	1
2 NC	1	–	1	–
1 NO + 1 NC	1	–	–	1



C3SS, short handle

Dimensions (mm, inches)



C3SS, long handle

Compact range

Buzzers


1SFC151157V0001

CB1-600G


1SFC151159V0001

CB1-610R


1SFC151158V0001

CB1-610Y

Illuminated

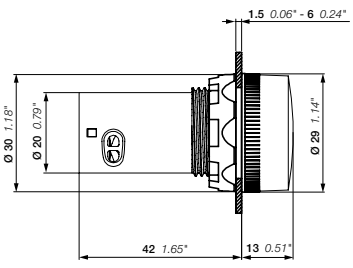
Color	Light and sound output	Rated current	Luminance	Type	Order code	Pkg qty	Weight (1 pce)
		mA	mcd				kg
Rated voltage 24 V AC / DC							
Green	Continuous	48	126	CB1-600G	1SFA619600R6002	10	0.021
Red	Pulsation	53	60	CB1-610R	1SFA619600R6101	10	0.021
Yellow	Pulsation	53	60	CB1-610Y	1SFA619600R6103	10	0.021
Rated voltage 110 ... 130 V AC							
Green	Continuous	55	126	CB1-601G	1SFA619600R6012	10	0.021
Red	Pulsation	70	60	CB1-611R	1SFA619600R6111	10	0.021
Yellow	Pulsation	70	60	CB1-611Y	1SFA619600R6113	10	0.021
Rated voltage 110 ... 130 V DC							
Green	Continuous	15	126	CB1-602G	1SFA619600R6022	10	0.021
Red	Pulsation	15	60	CB1-612R	1SFA619600R6121	10	0.021
Yellow	Pulsation	15	60	CB1-612Y	1SFA619600R6123	10	0.021
Rated voltage 230 V AC							
Green	Continuous	55	126	CB1-603G	1SFA619600R6032	10	0.021
Red	Pulsation	70	60	CB1-613R	1SFA619600R6131	10	0.021
Yellow	Pulsation	70	60	CB1-613Y	1SFA619600R6133	10	0.021


1SFC151160V0001

CB1-620B

Non-Illuminated

Color	Light and sound output	Rated current	Luminance	Type	Order code	Pkg qty	Weight (1 pce)
		mA	mcd				kg
Rated voltage 24 V AC / DC							
Black	Continuous	40	-	CB1-620B	1SFA619600R6206	10	0.021
	Pulsation	48	-	CB1-630B	1SFA619600R6306	10	0.021
Rated voltage 110 ... 130 V AC							
Black	Continuous	40	-	CB1-621B	1SFA619600R6216	10	0.021
	Pulsation	48	-	CB1-631B	1SFA619600R6316	10	0.021
Rated voltage 110 ... 130 V DC							
Black	Continuous	15	-	CB1-622B	1SFA619600R6226	10	0.021
	Pulsation	15	-	CB1-632B	1SFA619600R6326	10	0.021
Rated voltage 230 V AC							
Black	Continuous	40	-	CB1-623B	1SFA619600R6236	10	0.021
	Pulsation	40	-	CB1-633B	1SFA619600R6336	10	0.021



CB1

Dimensions (mm, inches)

Compact range
Accessories


1SFC151253F0001

KA1

1SFC151397V0001

MA1-8052


1SFC151379F0001

KA1-8010


1SFC151212V0001

KA1-8022/KA1-8021


1SFC151487F0001

SK616016-2


1SFC151391V0001

MA1-8153


1SFC151287V0001

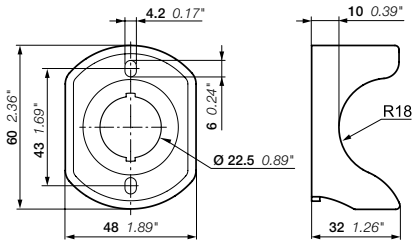
CA1-8054


1SFC151286V0001

CA1-8053

Description	Bezel / color	Type	Order code	Pkg qty	Weight (1pce) kg
30 mm adaptors for 22 mm operator (1.5 - 4 mm panel thickness)					
Emergency stop pushbuttons, MPM	Black plastic	KA1-8027	1SFA616920R8027	1	0.007
	Chrome metal	KA1-8028	1SFA616920R8028	1	0.021
Pushbuttons, selector switches, pilot lights, potentiometers, emergency stop pushbuttons, MPE	Black plastic	KA1-8029	1SFA616920R8029	1	0.010
Flush mounted pushbuttons	Chrome metal	KA1-8073	1SFA616920R8073	1	0.050
Flush mounted selector switches	Chrome metal	MA1-8074	1SFA611920R8074	1	0.050
Protective membrane, silicone					
Flush pushbutton		MA1-8052	1SFA611920R8052	10	0.002
Extended pushbutton		MA1-8002	1SFA611920R8002	10	0.002
Protective ring To prevent accidental operation. Cannot be used together with Legend plate holder					
Flush and extended pushbuttons	Clear plastic	-	SK615512-1	10	0.002
Flush pushbuttons	Metal and black plastic	KA1-8010	1SFA616920R8010	10	0.008
Bezel					
Pushbuttons	Black plastic	KA1-8022	1SFA616920R8022	10	0.002
	Chrome plastic	KA1-8020	1SFA616920R8020	10	0.002
	Chrome metal	KA1-8021	1SFA616920R8021	10	0.015
Selector switches	Black plastic	CA1-8077	1SFA619920R8077	10	0.002
	Chrome metal	CA1-8078	1SFA619920R8078	10	0.010
Square bezel					
Black plastic		-	SK616016-2	10	0.001
Lockable shroud					
Pushbuttons, selector switches	Plastic	MA1-8153	1SFA611920R8153	10	0.023
Emergency stop 30 mm	Metal	-	SK615502-D	1	0.080
Touch guard					
Touch guard		MA1-8152	1SFA611920R8152	10	0.023
Shroud with anti rotation tabs, slot for pad-lock and with water drainage					
Emergency stop, machine stop 40 mm	Yellow	CA1-8053	1SFA619920R8053	10	0.016
	Grey	CA1-8054	1SFA619920R8054	10	0.016
Lamp changing tool					
Lamp changing tool		KA1-8072	1SFA616920R8072	1	0.002

Note: Din-rail adaptor should be used with 2 contact blocks for rear mounting type MCB..B.



CA1

Dimensions (mm, inches)

1SBC100468S0201

Compact range
Accessories


1SFC151276V0001

CA1-8080


1SFC151455F0001

MDB-2


1SFC151275V0001

MA1-8015


1SFC151004F0001

MA1-8149


1SFC151385V0001

MA1-8019

Description	Bezel / color	Type	Order code	Pkg qty	Weight (1pce) kg
DIN-rail adaptator					
DIN-rail adaptor		CA1-8054	1SFA619920R8054	1	0.020
DIN-rail adaptor with 2 dummy block		CA1-8080	1SFA619920R8080	1	0.028
Dummy block		MDB-2	1SFA611630R1002	10	0.003

Note: Din-rail adaptor should be used with 2 contact blocks for rear mounting type MCB..B.
Note: Dummy blocks are used when only one contact block or a compact pilot device is used together with the DIN-rail adaptor

Mounting tools
For tightening the locking nut

Plastic / Mounting tool manual		MA1-8015	1SFA611920R8015	1	0.021
Metal / Mounting tool for power tool		MA1-8149	1SFA611920R8149	1	0.155
Extra key					
Key code 455			SK616021-71	10	0.007
Key code 421			SK616021-72	10	0.007
Key code 3433-E			SK616021-73	10	0.007
Locking nut		MA1-8019	1SFA611920R8019	10	0.001

Compact range

Technical data

Standards and approvals

IEC / EN 60947-1	Low Voltage switchgear and controlgear - Part 1: General rules
IEC / EN 60947-5-1	Low Voltage switchgear and controlgear - part 5-1: control circuit devices and switching elements - Electromechanical control circuit devices
IEC / EN 60947-5-5	Low Voltage switchgear and controlgear - part 5-5: control circuit devices and switching elements - Electrical emergency stop device with mechanical latching function
IEC / EN 60073	Basic and safety principles for man-machine interface, marking and identification coding principles for indicators and actuators
IEC / EN 60529	Degrees of protection provided by enclosures (IP code)
EN 50013	Low Voltage switchgear and controlgear for industrial use, terminal marking and distinctive number for particular control switches
DIN 40050-9	Road vehicles; degrees of protection (IP-code); protection against foreign objects; water and contact; electrical equipment
UL 508	Industrial control equipment
CSA C22.2 No 14	Industrial control equipment

Environmental data

Degrees of protection

Operators	IEC/EN DIN	UL/CSA
Pushbutton	IP66, IP67 and IP69K	Type 1, 3R, 4, 4X, 12, 13
Selector switches	IP66, IP67 and IP69K	Type 1, 3R, 4, 4X, 12, 13
Buzzer	IP66, IP67 and IP69K	Type 1, 3R, 4, 4X, 12, 13
Heavy duty	IP66, IP67 and IP69K	Type 1, 3R, 4, 4X, 12, 13 Type 1, 3R, 4, 4X, 12, 13
Pilot lights	IP66, IP67 and IP69K	Type 1, 3R, 4, 4X, 12, 13
Emergency stops	IP66, IP67 and IP69K	Type 1, 3R, 4, 4X, 12, 13
Terminals	IP20	-

Temperature

Ambient temperature during operation	-25 to +70 °C
Storage temperature	-40 to +85 °C

Technical data

Cable connections

Operator	Cable terminal
Pushbutton	Plus-minus Pozidriv No. 2 Connectable area: min. 1 x 0.5 mm² / 1 x AWG22 max. 2 x 1.5 mm² / 2 x AWG14
Selector switch	
Emergency stop	
Pilot light	Connectable area: min. 1 x 0.5 mm² / 1 x AWG20 max. 2 x 2.5 mm² / 2 x AWG14

Tightening torque

Operators locking nut	Min. 2 Nm / Max. 2.3 Nm
Cable terminals M3	0.8 Nm
Cable terminals M3.5	0.9 Nm

Short circuit protection

Max. fuse at 1 kA	gG 10A

Mechanical life

Pushbuttons, selector switches, heavy duty	500 000 operations
Emergency stop pushbutton	50 000 operations

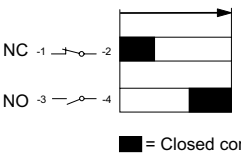
LED products (Pilot lights, illuminated pushbuttons)

Service life for LED means number of service hours until the brightness has been reduced down 50%. Service life 50 000 h, operating at 25 °C, 40~70%rh (relative humidity)

Color of white LED	x = 0.31 Y = 0.32 means the position of color in the ICI chromaticity diagram
Voltage tolerance on LED	-30 to +10% voltage is acceptable without affecting the service life
Voltage peaks on LED	Voltage peaks up to 1000 V current peaks up to 500 mA during a few msec
Glowing light	All integrated LED have a function built in to cut leakage currents

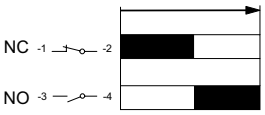
Make-and-break contacts

Pushbutton



= Closed contact

Emergency stop pushbutton



= Closed contact

Compact range
Technical data

Material	
No ozone depleting substances in the products.	
All front of panel plastic components are made of polycarbonate	
PC polycarbonate	High impact strength, good outdoor resistance. Chemical resistance (see table below)
PSU polysulphone	Can withstand high temperatures, acids, basic solutions, alkaline compounds, oils, alcohols
PA polyamide	Can withstand high temperatures, aliphatic, aromatic and chlorinated hydrocarbons, esters, ketone-aldehydes, alcohols and basic solutions
PBT	Can withstand high temperature, aliphatic and aromatic hydrocarbons, acids, basic solutions, alcohols, grease and oils
Zinc	Good corrosion resistance in inland-, sea and industrial atmosphere
Light-alloy	Good corrosion resistance in inland-, sea and industrial atmosphere

Chemical resistance for polycarbonate		
Chemical class	**Effects**	
Acids	No significant effect under most typical conditions of concentration and temperature	
Alcohols and alkalis	Generally compatible at low concentration and room temperature. Higher concentrations and elevated temperatures can result in etching and attack evidenced by decomposition	
Aliphatic hydrocarbons	Generally compatible	
Amines	Surface crystallization and chemical attack	Avoid
Aromatic hydrocarbons	Partial solvents and severe stress cracking agents (i.e., xylene, toulene).	Avoid
Detergents and cleaners	Mild soap solutions are generally compatible. Strong alkaline materials should be avoided	
Esters	Cause severe crystallization. Partial solvents.	Avoid
Greases and oils	Pure petroleum types generally compatible. Many additives used with them are not	
Halogenated, hydrocarbons	Solvents.	Avoid
Ketones	Cause severe crystallization and stress cracking. Partial solvents.	Avoid
Silicone oil and greases	Generally compatible up to 85 °C	

Note: Specified degree of protection is for operator mounted on panel. If other items are mounted in between, please make sure that they are correctly sealed.

Electrical data			
Contacts			
Ratings as per IEC 60947-5-1			
Rated insulation voltage, Ui		300 V	
Rated thermal current, Ith		5 A	
Rated operational current, Ie Utilization category AC 15,	at: 240 V	1 A	
Rated operational current, Ie utilisation category DC 13,	at: 24 V	0.3 A	
	at: 125 V	0.2 A	
Rated impulse withstand voltage	Uimp	6 kV	
Pollution degree		3	
Ratings as per UL, CSA, NEMA		**C300** AC	**R300** DC
Rated insulation voltage		250 V	250 V
Rated thermal current		2.5 A	1 A
Rated operational current	at: 120 V	1.5 A	
	at: 125 V		0.22 A
	at: 240 V	0.75 A	
	at: 250 V		0.11 A
Short circuit protection			
Max. fuse at 1 kA		gG 10A	
Buzzer			
Short circuit protection			
Max. fuse at 1 kA		gG 10A	
Ratings as per IEC 60947-5-1			
Rated insulation voltage, Ui		300 V	
Rated impulse withstand voltage uimp		4 kV	
Rated frequency		50-60 Hz	
Sound level db		≥ 80 db / 10 cm	
Product service life		> 5000 hours	
Signal output			
Pulsating frequency of light and sound output		2 Hz	

Compact range

Technical data

Illuminated pushbuttons CP

Color	Current mA Min.	Current mA Max.	Illuminance of flush cap lx Min.	Illuminance of flush cap lx Max.	Illuminance of extended cap lx Min.	Illuminance of extended cap lx Max.	Anti-inductive peak voltage V	Main wavelength Nm	Color temperature K
Voltage range 24 V AC / DC									
Red	8.5	11.5	150	600	120	400	5	620 ... 625	–
Green	8.0	11.0	200	800	150	500	5	515 ... 520	–
Yellow	8.5	11.5	200	800	120	400	5	585 ... 590	–
Blue	8.5	10.5	200	500	200	400	5	465 ... 470	–
Clear	8.5	10.5	620	1000	360	700	5	–	8000 ... 12000
Voltage range 110 ... 130 V AC / DC									
Red	6.5	9.0	150	600	100	350	15	620 ... 625	–
Green	6.5	9.0	150	600	100	350	15	515 ... 520	–
Yellow	6.5	9.0	150	600	100	350	15	585 ... 590	–
Blue	6.5	9.0	200	450	180	300	15	465 ... 470	–
Clear	6.5	9.0	520	860	300	600	15	–	8000 ... 12000
Voltage range 230 V AC / DC									
Red	4.0	6.0	150	600	120	400	15	620 ... 625	–
Green	4.0	6.0	150	900	150	500	15	515 ... 520	–
Yellow	4.0	6.0	150	600	150	500	15	585 ... 590	–
Blue	4.0	6.0	250	500	250	400	15	465 ... 470	–
Clear	4.0	6.0	650	1050	380	720	15	–	8000 ... 12000

Note: The testing distance of illuminance is 2 mm between top lens and sensor surface. Clean test environment, supply voltage at 50 / 60 Hz with harmonized wave and without high frequency.

1SFC151077S0201

Compact range
Technical data

Pilot light CL2

Color	Current mA Min.	Current mA Max.	Illuminance lx Min.	Illuminance lx Max.	Anti-inductive peak voltage V	Main wavelength Nm	Color temperature K
Voltage range 6.3 V DC							
Red	13	16	45	250	2	620 ... 625	–
Green	9.5	12.5	114	245	2	515 ... 520	–
Yellow	13	16	65	210	2	585 ... 590	–
Blue	9.5	12.5	8	35	2	465 ... 470	–
Clear	10	13	300	850	2	–	8000 ... 12000
Voltage range 12 V DC							
Red	14	16	100	280	2	620 ... 625	–
Green	12	14	165	310	2.5	515 ... 520	–
Yellow	13.5	16	85	230	2.5	585 ... 590	–
Blue	12	14	10	50	2.5	465 ... 470	–
Clear	12.5	14.5	480	850	2.5	–	8000 ... 12000
Voltage range 24 V AC / DC							
Red	14	16	75	240	6	620 ... 625	–
Green	13.5	15	120	320	6	515 ... 520	–
Yellow	14	16	55	230	6	585 ... 590	–
Blue	13.5	15	8	30	6	465 ... 470	–
Clear	13.5	15	450	700	6	–	8000 ... 12000
Voltage range 48 ... 60 V AC / DC							
Red	14.5	16.5	75	200	7	620 ... 625	–
Green	14.5	16.5	140	340	7	515 ... 520	–
Yellow	14.5	16.5	55	330	7	585 ... 590	–
Blue	14.5	16.5	10	45	7	465 ... 470	–
Clear	14.5	16.5	550	800	7	–	8000 ... 12000
Voltage range 110 ... 130 V AC							
Red	14.5	17	85	340	20	620 ... 625	–
Green	14.5	17	95	400	20	515 ... 520	–
Yellow	14.5	17	85	250	20	585 ... 590	–
Blue	14.5	17	8	30	20	465 ... 470	–
Clear	14.5	17	400	700	20	–	8000 ... 12000
Voltage range 110 ... 130 V DC							
Red	7.5	9.5	40	110	20	620 ... 625	–
Green	7.5	9.5	80	250	20	515 ... 520	–
Yellow	7.5	9.5	45	165	20	585 ... 590	–
Blue	7.5	9.5	6	35	20	465 ... 470	–
Clear	7.5	9.5	300	400	20	–	8000 ... 12000

Note: The testing distance of illuminance is 2 mm between top lens and sensor surface. Clean test environment, supply voltage at 50 / 60 Hz with harmonized wave and without high frequency.

Compact range

Technical data

Pilot light CL2

Color	Current		Illuminance		Anti-inductive peak voltage	Main wavelength	Color temperature
	mA		lx				
	Min.	Max.	Min.	Max.	V	Nm	K
Voltage range 220 V DC							
Red	5	6	15	85	20	620 ... 625	–
Green	5	6	55	180	20	515 ... 520	–
Yellow	5	6	15	115	20	585 ... 590	–
Blue	5	6	5	35	20	465 ... 470	–
Clear	5	6	200	320	20	–	8000 ... 12000
Voltage range 230 V AC							
Red	14.5	17	85	340	30	620 ... 625	–
Green	14.5	17	95	400	35	515 ... 520	–
Yellow	14.5	17	85	235	35	585 ... 590	–
Blue	14.5	17	8	30	35	465 ... 470	–
Clear	14.5	17	400	700	35	–	8000 ... 12000
Voltage range 380 ... 415 V AC							
Red	14.5	17	85	340	55	620 ... 625	–
Green	14.5	17	95	400	65	515 ... 520	–
Yellow	14.5	17	100	270	65	585 ... 590	–
Blue	14.5	17	8	30	65	465 ... 470	–
Clear	14.5	17	400	700	65	–	8000 ... 12000
Voltage range 230 V AC high anti-inductive voltage							
Red	14.5	17	55	255	60	620 ... 625	–
Green	14.5	17	60	265	80	515 ... 520	–
Yellow	14.5	17	45	210	70	585 ... 590	–
Blue	14.5	17	5	25	80	465 ... 470	–
Clear	14.5	17	280	490	80	–	8000 ... 12000

Note: The testing distance of illuminance is 2 mm between top lens and sensor surface. Clean test environment, supply voltage at 50 / 60 Hz with harmonized wave and without high frequency.

1SFC151078S0201

Compact range
Technical data

Buzzer CB

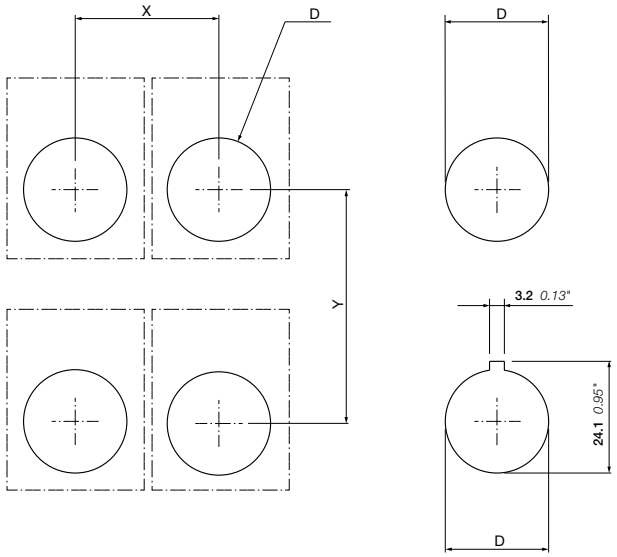
Color		Light and sound output	Current		Illuminance		Sound press level
			mA Min.	Max.	lx Min.	Max.	(dB/10cm)
Voltage range 24 V AC / DC							
●	Red	Pulsation	63	75	150	450	≥90
●	Yellow	Pulsation	63	75	70	300	≥90
●	Green	Continuous	43	53	150	600	≥90
●	Black	Pulsation	58	72	–	–	≥90
●	Black	Continuous	40	50	–	–	≥90
Voltage range 110 ... 30 V AC							
●	Red	Pulsation	71	81	70	300	≥90
●	Yellow	Pulsation	72	87	150	450	≥90
●	Green	Continuous	50	60	150	600	≥90
●	Black	Pulsation	42	54	–	–	≥90
●	Black	Continuous	40	50	–	–	≥90
Voltage range 110 ... 130 V DC							
●	Red	Pulsation	13	18	5	50	≥80
●	Yellow	Pulsation	13	18	5	50	≥80
●	Green	Continuous	13	18	15	100	≥80
●	Black	Pulsation	13	18	–	–	≥80
●	Black	Continuous	13	18	–	–	≥80
Voltage range 230 V AC							
●	Red	Pulsation	70	84	150	450	≥90
●	Yellow	Pulsation	72	82	70	300	≥90
●	Green	Continuous	50	62	350	900	≥90
●	Black	Pulsation	42	54	–	–	≥90
●	Black	Continuous	43	53	–	–	≥90

Note: The testing distance of illuminance is 2 mm between top lens and sensor surface. Clean test environment, supply voltage at 50 / 60 Hz with harmonized wave and without high frequency.
Fluctuation of rated voltage: -10% to +10%.

1SFC151078S0201

Compact range

Drilling plan



Type	Description	X	Y	D	Panel thickness
CP, CL, CSS, CB	Pushbutton, Pilot light, Selecor switch, Buzzer	**31** 1.22"	**50** 1.97"	Ø **22.3** 0.88"	**1.5** 0.06" - **6** 0.24"
CP, CL, CSS, CB	Pushbutton, Pilot light, Selector switch, Buzzer (with legend plate)	**31** 1.22"	**55** 2.17"	Ø **22.3** 0.88"	**1.5** 0.06" - **6** 0.24"
CPM, CP6	Mushroom pushbutton, Heavy duty pushbutton	**41** 1.61"	**55** 2.17"	Ø **22.3** 0.88"	**1.5** 0.06" - **6** 0.24"

1SFC151086S0201

Pilot devices
Enclosures and assembled stations

Ordering details
83 Plastic enclosures for modular and compact range
84 Accessories for plastic enclosures
85 LED blocks for rear mounting
87 Legend plate holder
88 Legend plate for plastic enclosures MEP and CEP
89 Selector switches for vertical mounting
90 Assembled stations
91 Dimensions
92 Metal enclosures and accessories

93 **Dimensions**

Enclosures





Plastic enclosure for modular and compact
This enclosure can fit both modular and compact operators with the unique possibility to mount up to 5 contact blocks assigned to one operator.
Degree of protection: IP66 UL/NEMA type 1, 3R, 4, 4X, 12, 13



Compact plastic enclosure
The compact enclosure is one of the smallest on the market intended for compact operators.
Degree of protection: IP66, 67, 69K UL/NEMA type 1, 3R, 4, 4X, 12, 13

Metal enclosure
Metal line is made in addition to our plastic lines when metal is required. Featuring a high protection degree and large installation space.
Degree of protection: IP66, 67, 69K



Assembled stations
We can also offer some of the most common assembled stations as a standard in combination with both modular and compact range.

Enclosures

Plastic enclosures for modular and compact range


1SFC151270V0001

MEPY1-0


1SFC151272V0001

MEP2-0


1SFC151274V0001

MEP3-0


1SFC151384V0001

MA1-8053


1SFC151384V0001

MA1-8152


1SFC151284V0001

CEP1-0


1SFC151285V0001

CEPY1-0


1SFC151287V0001

CA1-8054


1SFC151286V0001

CA1-8053

Description

When ordering complete enclosures:

- Select operators (modular or compact)
- For modular, select contact blocks and LED blocks for rear mounting (in accessories section)
- Per operator select between
  - One legend plate
  - One shroud (only for 1-seat)
  - One spacer
  - No accessory (only for compact range)
- Select cable gland

UL-listed applications: For end of line use only

According to the safety of machinery EN / ISO 13850 emergency stop pushbuttons should be mounted on yellow background

Description	Color	Holes for cable gland	Type	Order code	Pkg qty	Weight (1 pce) kg
Plastic enclosures						
Empty plastic enclosures with stainless steel screws for modular and compact range						
1-seat	Dark grey / light grey	M20 and Pg 13.5/ Pg16 and (M20)	MEP1-0	1SFA611811R1000	1	0.15
1-seat	Yellow / light grey	M20 and Pg 13.5/ Pg16 and (M20)	MEPY1-0	1SFA611821R1000	1	0.15
2-seat	Dark grey / light grey	M20 and Pg 13.5/ Pg16 and (M20)	MEP2-0	1SFA611812R1000	1	0.17
3-seat	Dark grey / light grey	M20 and Pg 13.5/ Pg16 and (M20)	MEP3-0	1SFA611813R1000	1	0.20
4-seat	Dark grey / light grey	M25/Pg 16 and (M20)	MEP4-0	1SFA611814R1000	1	0.23
6-seat	Dark grey / light grey	M25/Pg 16 and (M20)	MEP6-0	1SFA611816R1000	1	0.30
Shrouds						
To be mounted on MEP 1-seat enclosures or on panels						
Yellow			MA1-8053	1SFA611920R8053	10	0.02
Grey			MA1-8152	1SFA611920R8152	10	0.02
Compact plastic enclosures						
Empty enclosure for compact range						
1-seat	Yellow / light grey	M20 and Pg 13.5/ Pg16 and (M20)	CEPY1-0	1SFA619821R1000	1	0.072
1-seat	Dark grey / light grey	M20 and Pg 13.5/ Pg16 and (M20)	CEP1-0	1SFA619811R1000	1	0.072
Shrouds						
To be mounted on CEP-series of enclosures or on panel						
Yellow			CA1-8053	1SFA619920R8053	1	0.016
Grey			CA1-8054	1SFA619920R8054	1	0.016

Enclosures

Accessories for plastic enclosures



MCB-10B



MCB-11B



MCB-02B



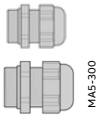
MCB-01BG



MA1-8129



MA5-8130



MA5-3001



MA1-8136

Description

To be used with MEP plastic enclosure or on DIN-rail

Description	Contacts	Type	Order code	Pkg qty	Weight (1 pce)
					kg
Contact blocks for rear mounting					
Single contact block	1 0	MCB-10B	1SFA611610R2001	10	0.013
	0 1	MCB-01B	1SFA611610R2010	10	0.013
Double contact block	1 1	MCB-11B	1SFA611610R2011	10	0.026
	2 0	MCB-20B	1SFA611610R2002	10	0.026
	0 2	MCB-02B	1SFA611610R2020	10	0.026
Contact blocks with gold plated contacts					
Single contact block	1 0	MCB-10BG	1SFA611610R2101	10	0.013
	0 1	MCB-01BG	1SFA611610R2110	10	0.013
Cable glands Grey plastic, threaded outer sleeve with sealing ring included. Nut not included.					
M25		MA5-3001	1SFA611925R3001	10	0.015
M20		MA5-3002	1SFA611925R3002	10	0.015
PG 13.5		MA5-3006	1SFA611925R3006	10	0.010
PG 16		MA5-3007	1SFA611925R3007	10	0.015
Nuts Grey plastic, for cable glands above					
M25		MA5-3003	1SFA611925R3003	10	0.005
M20		MA5-3004	1SFA611925R3004	10	0.005
PG 13.5		MA5-3008	1SFA611925R3008	10	0.001
PG 16		MA5-3009	1SFA611925R3009	10	0.001
Earthing terminal					
For plastic enclosure		MA5-3005	1SFA611925R3005	10	0.005
Sealing ring for operator hole					
For plastic enclosure		MA1-8150	1SFA611920H8150	100	0.001
Spacers Needed when legend plates or shrouds are not used in plastic enclosures with rear mounted contact block. 1 mm thick.					
Spacer		-	SK615516-1	10	0.002
Spacer for modular emergency stop		KA1-8045	1SFA616920R8045	10	0.004
Blanking plugs					
Grey		MA1-8129	1SFA611920R8129	10	0.005
Black		MA1-8130	1SFA611920R8130	10	0.005
Light grey		MA1-8136	1SFA611920R8136	10	0.005
Adaptor					
PG 16/M20		MA5-3010	1SFA611925R3010	10	0.010

Enclosures

LED blocks for rear mounting



MLBL-00BW

Description

To be used in MEP plastic enclosure or on DIN-rail

Color	Rated current mA	Wave-length nm	Lumi-nance mcd	Type	Order code	Pkg qty	Weight (1 pce) kg
Rated voltage 12 V DC (1)							
Red	12.0	620	320	MLBL-00BR	1SFA611621R2001	10	0.012
Green	9.3	520	1500	MLBL-00BG	1SFA611621R2002	10	0.012
Yellow	12.0	588	380	MLBL-00BY	1SFA611621R2003	10	0.012
Blue	9.5	468	450	MLBL-00BL	1SFA611621R2004	10	0.012
White	9.3	(2)	600	MLBL-00BW	1SFA611621R2005	10	0.012
Rated voltage 24 V AC / DC (1)							
Red	9.9	620	250	MLBL-01BR	1SFA611621R2011	10	0.012
Green	9.2	520	1500	MLBL-01BG	1SFA611621R2012	10	0.012
Yellow	9.9	588	250	MLBL-01BY	1SFA611621R2013	10	0.012
Blue	9.3	468	450	MLBL-01BL	1SFA611621R2014	10	0.012
White	9.2	(2)	600	MLBL-01BW	1SFA611621R2015	10	0.012
Rated voltage 48 V AC / DC (1)							
Red	10.0	620	260	MLBL-02BR	1SFA611621R2021	10	0.012
Green	9.7	520	1500	MLBL-02BG	1SFA611621R2022	10	0.012
Yellow	10.0	588	300	MLBL-02BY	1SFA611621R2023	10	0.012
Blue	9.7	468	450	MLBL-02BL	1SFA611621R2024	10	0.012
White	9.7	(2)	600	MLBL-02BW	1SFA611621R2025	10	0.012
Rated voltage 60 V AC / DC (1)							
Red	13.0	620	350	MLBL-03BR	1SFA611621R2031	10	0.012
Green	12.7	520	2000	MLBL-03BG	1SFA611621R2032	10	0.012
Yellow	13.0	588	400	MLBL-03BY	1SFA611621R2033	10	0.012
Blue	12.7	468	550	MLBL-03BL	1SFA611621R2034	10	0.012
White	12.7	(2)	750	MLBL-03BW	1SFA611621R2035	10	0.012
Rated voltage 110 ... 130 V AC							
Red	8.6	620	200	MLBL-04BR	1SFA611621R2041	10	0.012
Green	8.5	520	1200	MLBL-04BG	1SFA611621R2042	10	0.012
Yellow	8.6	588	250	MLBL-04BY	1SFA611621R2043	10	0.012
Blue	7.0	468	400	MLBL-04BL	1SFA611621R2044	10	0.012
White	7.0	(2)	500	MLBL-04BW	1SFA611621R2045	10	0.012
Rated voltage 110 ... 130 V DC (1)							
Red	9.9	620	250	MLBL-05BR	1SFA611621R2051	10	0.012
Green	9.8	520	1500	MLBL-05BG	1SFA611621R2052	10	0.012
Yellow	9.9	588	300	MLBL-05BY	1SFA611621R2053	10	0.012
Blue	9.8	468	450	MLBL-05BL	1SFA611621R2054	10	0.012
White	9.8	(2)	600	MLBL-05BW	1SFA611621R2055	10	0.012
Rated voltage 220 V DC (1)							
Red	8.0	620	180	MLBL-06BR	1SFA611621R2061	10	0.012
Green	8.0	520	110	MLBL-06BG	1SFA611621R2062	10	0.012
Yellow	8.0	588	200	MLBL-06BY	1SFA611621R2063	10	0.012
Blue	8.0	468	450	MLBL-06BL	1SFA611621R2064	10	0.012
White	8.0	(2)	600	MLBL-06BW	1SFA611621R2065	10	0.012

Note:
(1) Care should be taken for DC supply where + and - must be correctly connected. This is marked X1 (+) and X2 (-) on the product.
(2) X=0.31, Y=0.32 according to the ICI Chromaticity diagram.
For technical data, please refer to modular range section.

Enclosures

LED blocks for rear mounting



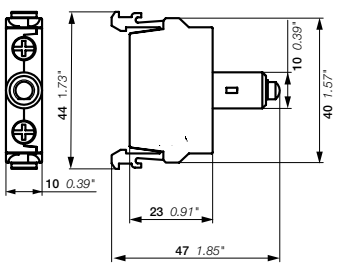
MLBL-07BW

Description

To be used in MEP plastic enclosure or on DIN-rail

Color	Rated current mA	Wave-length nm	Lumi-nance mcd	Type	Order code	Pkg qty	Weight (1 pce) kg
Rated voltage 230 V AC							
Red	9.5	620	250	MLBL-07BR	1SFA611621R2071	10	0.012
Green	9.4	520	1500	MLBL-07BG	1SFA611621R2072	10	0.012
Yellow	9.5	588	300	MLBL-07BY	1SFA611621R2073	10	0.012
Blue	8.2	468	450	MLBL-07BL	1SFA611621R2074	10	0.012
White	8.2	(2)	600	MLBL-07BW	1SFA611621R2075	10	0.012
Rated voltage 380 V AC							
Red	10.2	620	250	MLBL-08BR	1SFA611621R2081	10	0.012
Green	10.2	520	1500	MLBL-08BG	1SFA611621R2082	10	0.012
Yellow	10.2	582	300	MLBL-08BY	1SFA611621R2083	10	0.012
Blue	9.1	468	450	MLBL-08BL	1SFA611621R2084	10	0.012
White	9.1	(2)	600	MLBL-08BW	1SFA611621R2085	10	0.012
Rated voltage 415 V AC							
Red	11.2	620	280	MLBL-09BR	1SFA611621R2091	10	0.012
Green	11.2	520	1800	MLBL-09BG	1SFA611621R2092	10	0.012
Yellow	11.2	588	350	MLBL-09BY	1SFA611621R2093	10	0.012
Blue	9.9	468	500	MLBL-09BL	1SFA611621R2094	10	0.012
White	9.9	(2)	650	MLBL-09BW	1SFA611621R2095	10	0.012

Note:
(1) Care should be taken for DC supply where + and - must be correctly connected. This is marked X1 (+) and X2 (-) on the product.
(2) X=0.31, Y=0.32 according to the ICI Chromaticity diagram.
For technical data, please refer to modular range section.



MLBL

Dimensions (mm, inches)

Enclosures

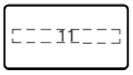
Legend plate holders and inserts



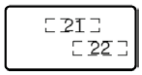
MA6-1060



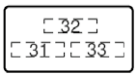
MA6-1061



1-position insert



2-postion insert



3-position insert

Description

For Ø 22 mm operator, can be used with MEP plastic enclosures, laser marked with text or symbols. Inserts are made of plastic and aluminium laminate.

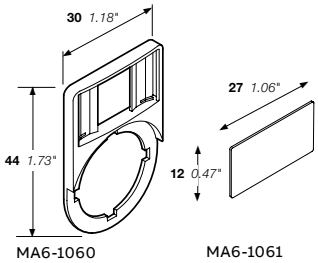
Description	Type	Order code	Pkg qty	Weight (1pce) kg
Legend plate holder				
Grey plastic	MA6-1060	1SFA611930R1060	10	0.002
Insert				
Without text or symbol	MA6-1061	1SFA611930R1061	10	0.001
1-position inserts				
O	MA6-1062	1SFA611930R1062	10	0.001
I	MA6-1063	1SFA611930R1063	10	0.001
II	MA6-1064	1SFA611930R1064	10	0.001
→	MA6-1065	1SFA611930R1065	10	0.001
→	MA6-1130	1SFA611930R1130	10	0.001
→ →	MA6-1131	1SFA611930R1131	10	0.001
Close	MA6-1132	1SFA611930R1132	10	0.001
Open	MA6-1133	1SFA611930R1133	10	0.001
On	MA6-1134	1SFA611930R1134	10	0.001
Off	MA6-1135	1SFA611930R1135	10	0.001
Fast	MA6-1136	1SFA611930R1136	10	0.001
Slow	MA6-1137	1SFA611930R1137	10	0.001
Down	MA6-1138	1SFA611930R1138	10	0.001
Up	MA6-1139	1SFA611930R1139	10	0.001
Start	MA6-1140	1SFA611930R1140	10	0.001
Stop	MA6-1141	1SFA611930R1141	10	0.001
Forward	MA6-1152	1SFA611930R1152	10	0.001
Reverse	MA6-1153	1SFA611930R1153	10	0.001

2-position inserts for selector switches

Pos.21	Pos.22				
O	I	MA6-1170	1SFA611930R1170	10	0.001
I	II	MA6-1171	1SFA611930R1171	10	0.001
→	→ →	MA6-1172	1SFA611930R1172	10	0.001
Off	On	MA6-1173	1SFA611930R1173	10	0.001
Stop	Start	MA6-1174	1SFA611930R1174	10	0.001
Low	High	MA6-1175	1SFA611930R1175	10	0.001
Slow	Fast	MA6-1176	1SFA611930R1176	10	0.001
Close	Open	MA6-1177	1SFA611930R1177	10	0.001
Jog	Run	MA6-1178	1SFA611930R1178	10	0.001
Hand	Auto	MA6-1179	1SFA611930R1179	10	0.001

3-position inserts for selector switches

Pos.31	Pos.32	Pos.33			
←	O	→	MA6-1190	1SFA611930R1190	10	0.001
→	O	→ →	MA6-1191	1SFA611930R1191	10	0.001
I	O	II	MA6-1192	1SFA611930R1192	10	0.001
Hand	O	Auto	MA6-1193	1SFA611930R1193	10	0.001
Slow	Off	Fast	MA6-1194	1SFA611930R1194	10	0.001



MA6-1060 MA6-1061

Dimensions (mm, inches)

1SFC151059S0201

Enclosures

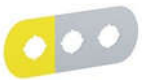
Legend plates for plastic enclosures MEP and CEP


MA6-1000 1SFC151264V0001


MA6-1002 1SFC151262V0001


MA6-1003 1SFC151267V0001


MA6-1006 1SFC151263V0001


MA6-1007 1SFC151268V0001


MA6-1024 1SFC151264V0001



MA6-1026 1SFC151390V0001

Legend plates for MEP plastic enclosures

For Ø 22 mm operator, plastic and aluminum laminate with adhesive back. Combine the emergency stop with the yellow legend plates and black text to conform with safety machinery standard EN/ISO 13850.

Description	Text symbol	Type	Order code	Pkg qty	Weight (1pce) kg
Aluminum and plastic laminate					
1-seat	without text	MA6-1000	1SFA611930R1000	1	0.004
2-seat	without text	MA6-1002	1SFA611930R1002	1	0.006
3-seat	without text	MA6-1003	1SFA611930R1003	1	0.008
4-seat	without text	MA6-1004	1SFA611930R1004	1	0.010
6-seat	without text	MA6-1005	1SFA611930R1005	1	0.012
1-seat	O	MA6-1012	1SFA611930R1012	1	0.004
1-seat	I	MA6-1013	1SFA611930R1013	1	0.004
2-seat	O I	MA6-1014	1SFA611930R1014	1	0.006
3-seat	O I I	MA6-1015	1SFA611930R1015	1	0.008
3-seat	I O II	MA6-1016	1SFA611930R1016	1	0.008
Pos. 1 yellow plastic and aluminium laminate					
2-seat	without text	MA6-1006	1SFA611930R1006	1	0.006
3-seat	without text	MA6-1007	1SFA611930R1007	1	0.008
4-seat	without text	MA6-1008	1SFA611930R1008	1	0.010
6-seat	without text	MA6-1009	1SFA611930R1009	1	0.012
Emergency stop legend plates for 1-seat enclosures					
For horizontally mounted enclosures. Yellow plastic laminate. 66 x 59 mm.					
Without text		MA6-1024	1SFA611930R1024	10	0.004
Nöd Stopp		MA6-1025	1SFA611930R1025	10	0.004
Emergency stop		MA6-1026	1SFA611930R1026	10	0.004
Not Aus		MA6-1027	1SFA611930R1027	10	0.004
ARRET D'URGENCE		MA6-1028	1SFA611930R1028	10	0.004
Hätäseis		MA6-1029	1SFA611930R1029	10	0.004
For vertically mounted enclosures. Yellow plastic laminate. 59 x 66 mm.					
Nöd Stopp		MA6-1100	1SFA611930R1100	10	0.004
Emergency stop		MA6-1101	1SFA611930R1101	10	0.004
Not Aus		MA6-1102	1SFA611930R1102	10	0.004
ARRET D'URGENCE		MA6-1103	1SFA611930R1103	10	0.004
Hätäseis		MA6-1104	1SFA611930R1104	10	0.004

Legend plates for CEP plastic enclosures

For Ø 22 mm operator

Description	Text symbol	Type	Order code	Pkg qty	Weight (1pce) kg
Emergency stop legend plates					
Black text on yellow aluminum plate Ø 59 mm					
Without text		CA6-1024	1SFA619930R1024	10	0.004
Emergency stop		CA6-1026	1SFA619930R1026	10	0.004
Not Aus		CA6-1027	1SFA619930R1027	10	0.004

Enclosures

Selector switches for vertical mounting



M2SSV1-10B

Description

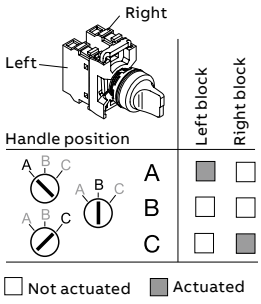
When ordering complete vertically mounted enclosures:
- Select selector switches for vertical mounting
- Select contact blocks and LED blocks for rear mounting.

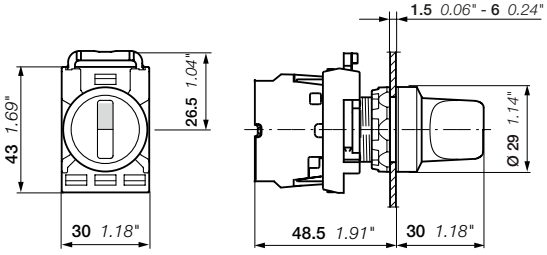
Per operator select between:
- One legend plate for vertical enclosures
- One spacer

Select cable gland.

Description	Color	Type	Order code	Pkg qty	Weight (1pce) kg
2-position selector switch Short handle, non-illuminated					
	● Black	M2SSV1-10B	1SFA611220R1006	10	0.015
	● Black	M2SSV2-10B	1SFA611221R1006	10	0.015
	● Black	M2SSV3-10B	1SFA611222R1006	10	0.015
3-position selector switch Short handle, non-illuminated					
	● Black	M3SSV1-10B	1SFA611230R1006	10	0.015
	● Black	M3SSV2-10B	1SFA611231R1006	10	0.015
	● Black	M3SSV3-10B	1SFA611232R1006	10	0.015

Contacts actuated





M2SSV, M3SSV

Dimensions (mm, inches)

Enclosures

Assembled stations



MEPY1-1042



CEPY1-2001



MEP2-1001

Description

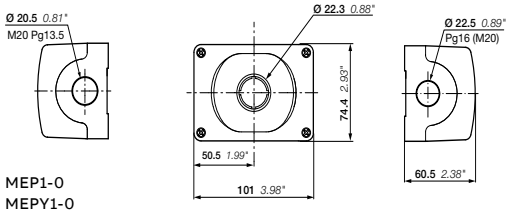
Assembled enclosures with emergency stop pushbuttons, yellow / light grey color designed according to the Safety of machinery standard EN/ISO 13850 for emergency stops.

Release method	Contacts	Type	Order code	Pkg qty	Weight (1 pce)
					kg
1-seat plastic enclosures with 40 mm modular emergency stop pushbuttons					
Yellow / light grey color					
Twist release	0 2	MEPY1-1042	1SFA611821R1042	1	0.240
Twist release	2 1	MEPY1-1041	1SFA611821R1041	1	0.250
Pull release	0 2	MEPY1-1035	1SFA611821R1035	1	0.466
Twist release with plastic legend plate "Emergency stop"	0 2	MEPY1-1040	1SFA611821R1040	1	0.240
1-seat plastic enclosures with 40 mm compact emergency stop pushbuttons					
Yellow / light grey color					
Twist release	0 2	CEPY1-1001	1SFA619821R1001	1	0.108
Pull release	0 2	CEPY1-1002	1SFA619821R1002	1	0.108
Key release	1 1	CEPY1-1006	1SFA619821R1006	1	0.105
Twist release, yellow shroud	0 2	CEPY1-2001	1SFA619821R2001	1	0.124
Pull release, yellow shroud	0 2	CEPY1-2002	1SFA619821R2002	1	0.124
1-seat plastic enclosures with 40 mm compact emergency stop pushbuttons					
Dark grey / light grey color					
Twist release	1 1	CEP1-1001	1SFA619811R1001	1	0.108
Pull release	1 1	CEP1-1002	1SFA619811R1002	1	0.108
Twist release, grey shroud	1 1	CEP1-2001	1SFA619811R2001	1	0.124
Pull release, grey shroud	1 1	CEP1-2002	1SFA619811R2002	1	0.124
2-seat plastic enclosure with modular pushbuttons					
Dark grey / light grey					
Two flush pushbuttons, momentary, black bezel					
Green / Red		MEP2-1001	1SFA611812R1001	1	0.220
1 NO / 1 NC					
I / 0					

Enclosures
Dimensions

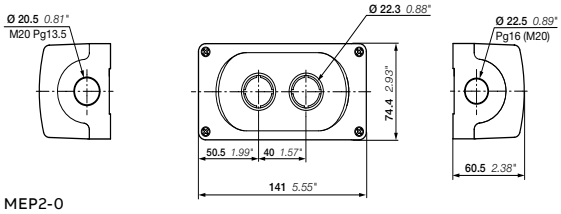
MEP plastic enclosures

1-seat



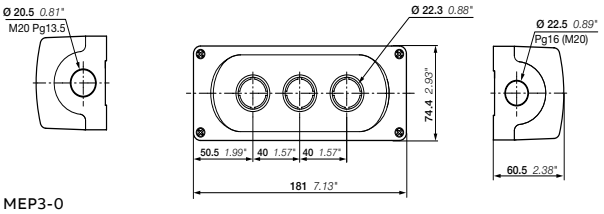
MEP1-0
MEPY1-0

2 seats



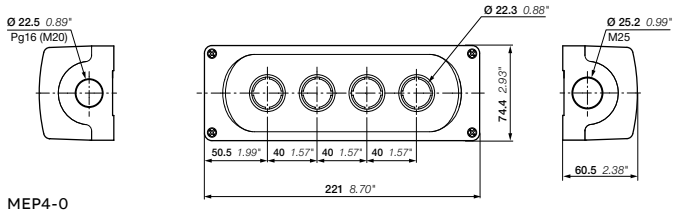
MEP2-0

3-seats



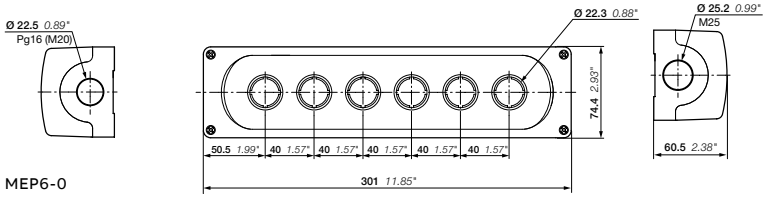
MEP3-0

4-seats

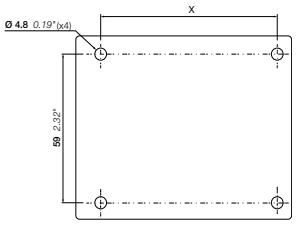


MEP4-0

6-seats



MEP6-0

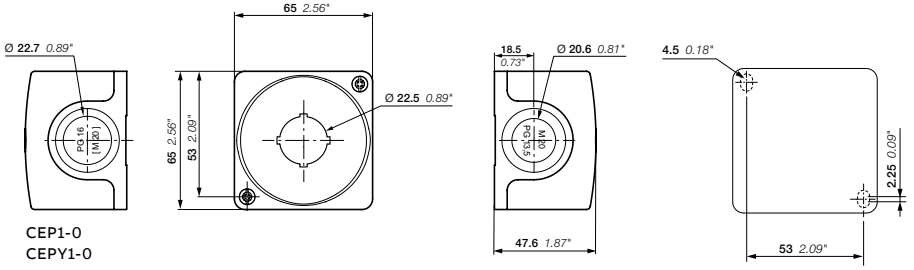


MEP drilling plan

Type	X
1-seat	72 mm / 2.83"
2-seats	112 mm / 4.41"
3-seats	152 mm / 5.98"
4-seats	192 mm / 7.56"
6-seats	272 mm / 10.71"

CEP plastic enclosure for compact range

1-seat



CEP1-0
CEPY1-0

CEP drilling plan

Enclosures

Metal enclosures and accessories


1SFC151309F0001

KEM


1SFC151488F0001

SK1707685


1SFC151489F0001

SK1750152


1SFC151490F0001

SK172105-AE


1SFC151394V0001

MA1-8129


1SFC151395V0001

MA1-8130


1SFC151393V0001

MA1-8136

Description

When ordering complete enclosure:

- Select operators
- Select contact blocks and LED blocks for front mounting and holder
- Select cable gland (holes for cable glands Pg 16)
- For 4- and 6-seat enclosure select blanking plate.

Description	Color	Type	Order code	Pkg qty	Weight (1pce) kg
Empty cast aluminum enclosures for front mounted pilot devices. Degree of protection IP66, IP67 and IP69K.					
1-seat	Light grey	KEM1-0	SK616701-AA	1	0.40
2-seat	Light grey	KEM2-0	SK616702-AA	1	0.70
3-seat	Light grey	KEM3-0	SK616703-AA	1	0.80
4-seat	Light grey	KEM4-0	SK616704-AA	1	1.20
6-seat	Light grey	KEM6-0	SK616706-AA	1	1.40

Accessories

Pr	Pg	Diameter mm	Order code	Pkg qty	Weight (1pce) kg
Cable gland Metal, threaded outer sleeve					
22.5	16	8.5 ... 11.5	SK1707685	1	0.040
22.5	16	10.5 ... 13.5	SK1707686	1	0.045
22.5	16	12.5 ... 15.0	SK1707687	1	0.050
Metal hexagon nut For use with cable glands above					
22.5	16		SK1750152	1	0.010
Blanking plates without holes Metal, black, for 4- and 6-seat metal enclosures					
For flange opening	**Suitable flange gasket**				
FL 13	SK1704536		SK172105-AA	1	0.010

Note: Flange gasket not included

Blanking plates with holes Metal, black, for 4- and 6-seat metal enclosures					
For flange opening	**Suitable flange gasket**				
Two holes Hole centre distance 50 mm FL 13	Pr 22.5 (Pg 16) SK1704536		SK172105-AD	1	0.110
Three holes Hole centre distance 38 mm FL 13	Pr 22.5 (Pg 16) SK1704536		SK172105-AE	1	0.110

Note: Flange gasket not included

Flange gasket					
FL 13			SK1704536	1	0.005
Blanking plug For 22 mm-hole					
Grey		MA1-8129	1SFA611920R8129	10	0.005
Black		MA1-8130	1SFA611920R8130	10	0.005
Light grey		MA1-8136	1SFA611920R8136	10	0.005

Note: Applicable to cover a 22 mm-hole in an enclosure instead of an operator. Gasket and nut included.

Sealing plug Grey plastic				
Pr	Pg			
22.5	16	SK175919-3	10	0.010

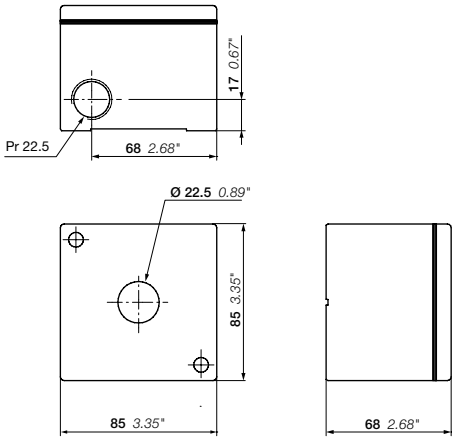
Note: Use when cable gland us not needed.

1SFC151062S0201

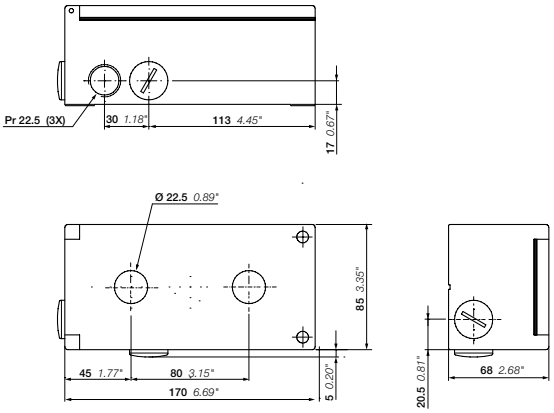
Enclosures
Dimensions

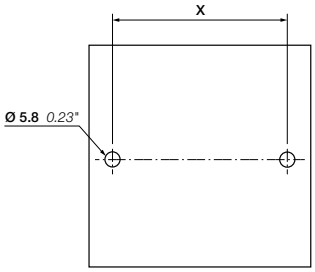
KEM metal enclosures

1-seat



2 and 3-seats KEM2-0, KEM3-0

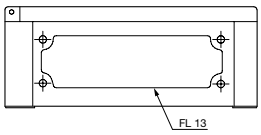


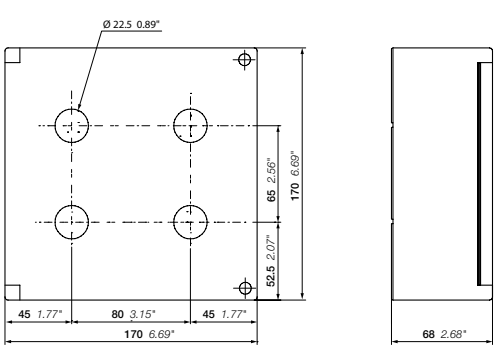


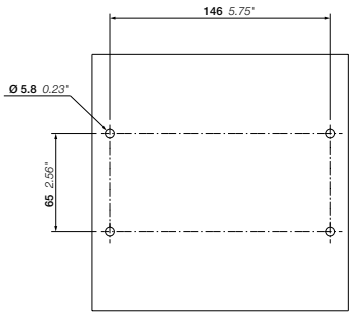
Type	X
1-seat	67 mm / 2.64"
2 and 3-seats	146 mm / 5.75"

1, 2 and 3-seats KEM drilling plan

4 or 6-seats KEM4-0, KEM6-0







4 or 6-seats KEM drilling plan

Legend plates and text caps

96 **Legend plates**
100 **Text caps**

Legend plates and text caps



ABB offers a wide range of alternatives to label our products. Choose between marked aluminium legend plates, insert holders with a wide range of marked inserts or texts caps to mount under the lens of the pilot device.



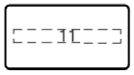


Legend plates and text caps

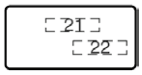
Legend plate holder with inserts



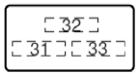
KA1-8120



1-position insert



2-postion insert



3-position insert

Description

For Ø 22 mm operators installed in panel or KEM metal enclosure, laser marked with text or symbols. Inserts made of plastic and aluminium laminate.

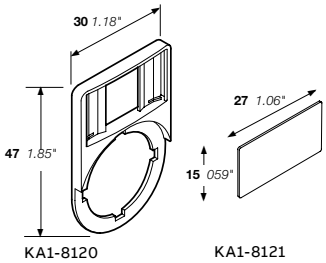
Description	Type	Order code	Pkg qty	Weight (1pce) kg
Legend plate holder				
Black plastic	KA1-8120	1SFA616920R8120	100	0.002
Insert				
Without text or symbol	KA1-8121	1SFA616920R8121	100	0.001
1-position inserts				
O	MA6-1032	1SFA611930R1032	10	0.001
I	MA6-1033	1SFA611930R1033	10	0.001
→	MA6-1034	1SFA611930R1034	10	0.001
→ →	MA6-1035	1SFA611930R1035	10	0.001
Close	MA6-1036	1SFA611930R1036	10	0.001
Open	MA6-1037	1SFA611930R1037	10	0.001
On	MA6-1038	1SFA611930R1038	10	0.001
Off	MA6-1039	1SFA611930R1039	10	0.001
Fast	MA6-1040	1SFA611930R1040	10	0.001
Slow	MA6-1041	1SFA611930R1041	10	0.001
Down	MA6-1042	1SFA611930R1042	10	0.001
Up	MA6-1043	1SFA611930R1043	10	0.001
Start	MA6-1044	1SFA611930R1044	10	0.001
Stop	MA6-1045	1SFA611930R1045	10	0.001
Reset	MA6-1047	1SFA611930R1047	10	0.001
Run	MA6-1054	1SFA611930R1054	10	0.001
Fault	MA6-1058	1SFA611930R1058	10	0.001
Trip	MA6-1118	1SFA611930R1118	10	0.001
	MA6-1210	1SFA611930R1210	10	0.001

2-position inserts for selector switches

Pos. 21	Pos. 22				
O	I	MA6-1070	1SFA611930R1070	10	0.001
I	II	MA6-1071	1SFA611930R1071	10	0.001
Off	On	MA6-1073	1SFA611930R1073	10	0.001
Stop	Start	MA6-1074	1SFA611930R1074	10	0.001
Low	High	MA6-1075	1SFA611930R1075	10	0.001
Slow	Fast	MA6-1076	1SFA611930R1076	10	0.001
Close	Open	MA6-1077	1SFA611930R1077	10	0.001
Jog	Run	MA6-1078	1SFA611930R1078	10	0.001
Hand	Auto	MA6-1079	1SFA611930R1079	10	0.001

3-position inserts for selector switches

Pos.31	Pos.32	Pos.33				
←	O	→	MA6-1080	1SFA611930R1080	10	0.001
I	O	II	MA6-1082	1SFA611930R1082	10	0.001
Hand	O	Auto	MA6-1083	1SFA611930R1083	10	0.001
Slow	Off	Fast	MA6-1084	1SFA611930R1084	10	0.001
Man		Auto	MA6-1085	1SFA611930R1085	10	0.001
Man	Off	Auto	MA6-1086	1SFA611930R1086	10	0.001
O		I	MA6-1087	1SFA611930R1087	10	0.001



KA1-8120 KA1-8121

Dimensions (mm, inches)

Legend plates and text caps

Legend plates for emergency stop



1SFC151388V0001

1SFA616915R1005



1SFC151386V0001

SK615546-2

Description

For Ø 22 mm operators installed in panel or KEM metal enclosure. Combine the emergency stops with the yellow legend plates and black text to conform with the Safety machinery standard EN/ISO 13850.

Legend plates made of laminate have adhesive back.

Description	Type	Order code	Pkg qty	Weight (1pce) kg
Plastic Ø 70mm				
Without text	–	1SFA616915R1038	10	0.003
Emergency stop	–	1SFA616915R1005	10	0.003
Not Aus	–	1SFA616915R6005	10	0.003
Aluminium Ø 70 mm				
Without text	–	SK615546-8	10	0.010
Nöd Stopp	–	SK615546-1	10	0.010
Emergency stop	–	SK615546-2	10	0.010
Not Aus	–	SK615546-3	10	0.010
ARRET D'URGENCE	–	SK615546-4	10	0.010
HÄTÄSEIS	–	SK615546-5	10	0.010
PARADA DE EMERGENCIA	–	SK615546-6	10	0.010
Nød Stop	–	SK615546-7	10	0.010
Emergency stop NOT AUS ARRET D'URGENCE	–	SK615546-13	10	0.010
Noodstop	–	SK615546-15	10	0.010
Aluminum laminate rectangular 59 x 39.5 mm				
Without text	MA6-1010	1SFA611930R1010	10	0.005
Nöd stopp	MA6-1017	1SFA611930R1017	10	0.005
Not haus	MA6-1018	1SFA611930R1018	10	0.005
Emergency stop	MA6-1019	1SFA611930R1019	10	0.005
ARRET D'URGENCE	MA6-1020	1SFA611930R1020	10	0.005
Hätäseis	MA6-1021	1SFA611930R1021	10	0.005
PARADA DE EMERGENCIA	MA6-1022	1SFA611930R1022	10	0.005
Plastic laminate rectangular 59 x 39.5 mm				
Without text	MA6-1011	1SFA611930R1011	10	0.002
Emergency stop	MA6-1023	1SFA611930R1023	10	0.002

Legend plates and text caps

Legend plates for panels and KEM metal enclosures



MA16-1001



SK615552-14



SK615550-6



SK615552-25



SK615550-81



SK615562-82

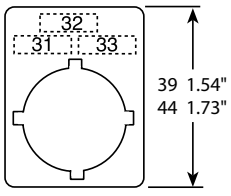
Description

For Ø 22 mm operators, made of silver-grey aluminium.

	Type	Order code	Pkg qty	Weight (1pce) kg
Without text				
Legend plate height 39 mm	MA16-1000	1SFA611940R1000	10	0.002
Legend plate height 44 mm	MA16-1001	1SFA611940R1001	10	0.002
1-position engraved for selector switches and pushbuttons Legend plate height 39 mm				
O	–	SK615550-61	10	0.002
I	–	SK615550-62	10	0.002
→	–	SK615562-12	10	0.002
→→	–	SK615562-27	10	0.002
Close	–	SK615552-13	10	0.002
Down	–	SK615552-14	10	0.002
Emergency stop	–	SK615552-15	10	0.002
Fast	–	SK615552-16	10	0.002
Forward	–	SK615552-17	10	0.002
In	–	SK615550-29	10	0.002
Lower	–	SK615552-20	10	0.002
Off	–	SK615552-21	10	0.002
On	–	SK615552-22	10	0.002
Open	–	SK615552-23	10	0.002
Raise	–	SK615552-25	10	0.002
Reset	–	SK615552-27	10	0.002
Reverse	–	SK615552-28	10	0.002
Right	–	SK615552-40	10	0.002
Run	–	SK615552-29	10	0.002
Slow	–	SK615552-30	10	0.002
Start	–	SK615550-44	10	0.002
Stop	–	SK615552-31	10	0.002
Up	–	SK615552-32	10	0.002

3-position engraved for selector switches
Legend plate height 39 mm

Pos.31	Pos.32	Pos.33				
I	O	II	–	SK615550-81	10	0.002
←	O	→	–	SK615562-82	10	0.002
→	O	→→	–	SK615562-83	10	0.002
Hand	O	Auto	–	SK615550-80	10	0.002



3-position engraved

Dimensions (mm, inches)

Legend plates and text caps

Text caps for illuminated pushbuttons and pilot lights



KTC1-1020



KTC1-9004



KTC1-1019



KTC2-1020



KTC3-1019



KTC3-1020



Pilot light

Description

To be mounted under the lens of illuminated pushbutton or pilot light to add symbol or text.
Choose only white text caps with illuminated products due to high opacity of the colored text caps.
Choose colored text caps in combination with clear lens.

Text/symbol	Color	Type	Order code	Pkg qty	Weight (1pce) kg
For flush pushbuttons					
Without text	White	KTC1-9000	1SFA616901R9000	10	0.001
START	White	KTC6-1042	1SFA616906R1042	10	0.001
R	White	KTC1-9009	1SFA616901R9009	10	0.001
On	White	KTC1-1020	1SFA616901R1020	10	0.001
ON	White	KTC1-1039	1SFA616901R1039	10	0.001
	Green	KTC6-1039	1SFA616906R1039	10	0.001
	Black	KTC8-1039	1SFA616908R1039	10	0.001
Off	White	KTC1-1019	1SFA616901R1019	10	0.001
Stop	White	KTC1-1031	1SFA616901R1031	10	0.001
STOP	Red	KTC4-1047	1SFA616904R1047	10	0.001
Reset	White	KTC1-1025	1SFA616901R1025	10	0.001
O	White	KTC1-9004	1SFA616901R9004	10	0.001
	Red	KTC4-9004	1SFA616904R9004	10	0.001
	Black	KTC8-9004	1SFA616908R9004	10	0.001
I	White	KTC1-9002	1SFA616901R9002	10	0.001
	Green	KTC6-9002	1SFA616906R9002	10	0.001
	Black	KTC8-9002	1SFA616908R9002	10	0.001
II	White	KTC1-9003	1SFA616901R9003	10	0.001
	Black	KTC8-9003	1SFA616908R9003	10	0.001
III	White	KTC1-9028	1SFA616901R9028	10	0.001
+	Black	KTC8-9011	1SFA616908R9011	10	0.001
-	Black	KTC8-9012	1SFA616908R9012	10	0.001
↑	White	KTC1-9005	1SFA616901R9005	10	0.001
	Black	KTC8-9005	1SFA616908R9005	10	0.001
→⋈←	Black	KTC8-9015	1SFA616908R9015	10	0.001
◁⊣⊢▷	White	KTC1-9016	1SFA616901R9016	10	0.001
	Black	KTC8-9016	1SFA616908R9016	10	0.001
→▷▷	White	KTC1-9006	1SFA616901R9006	10	0.001
⊖	Black	KTC8-9018	1SFA616908R9018	10	0.001
⊘	White	KTC1-9020	1SFA616901R9020	10	0.001
⛲	White	KTC1-9026	1SFA616901R9026	10	0.001
	Black	KTC8-9026	1SFA616908R9026	10	0.001
For extended pushbuttons					
Without text	White	KTC2-9000	1SFA616902R9000	10	0.001
On	White	KTC2-1020	1SFA616902R1020	10	0.001
Off	Red	KTC5-1040	1SFA616905R1040	10	0.001
Stop	White	KTC2-1031	1SFA616902R1031	10	0.001
STOP	Red	KTC5-1047	1SFA616905R1047	10	0.001
Reset	White	KTC2-1025	1SFA616902R1025	10	0.001
O	Red	KTC5-9004	1SFA616905R9004	10	0.001
I	White	KTC2-9002	1SFA616902R9002	10	0.001
II	White	KTC2-9003	1SFA616902R9003	10	0.001
III	White	KTC2-9028	1SFA616902R9028	10	0.001
↑	White	KTC2-9005	1SFA616902R9005	10	0.001
→⋈←	White	KTC2-9015	1SFA616902R9015	10	0.001
◁⊣⊢▷	White	KTC2-9016	1SFA616902R9016	10	0.001
→▷▷	White	KTC2-9006	1SFA616902R9006	10	0.001
For pilot lights					
Without text	White	KTC3-9000	1SFA616903R9000	10	0.001
On	White	KTC3-1020	1SFA616903R1020	10	0.001
ON	White	KTC3-1039	1SFA616903R1039	10	0.001
Off	White	KTC3-1019	1SFA616903R1019	10	0.001
I	White	KTC3-9002	1SFA616903R9002	10	0.001

1SFC151068S0201

Pilot devices

Signal towers and signal beacons

Ordering details
103 Signal towers and signal beacons
107 **Technical data**
108 **Dimensions and drilling plans**

Signal towers and signal beacons



Signal towers
- Fast mounting of signal elements using bayonet fixing
- Easy changing of bulbs for each module without tools
- Flexibility of signal element combination
- Up to 5 elements possible/up to 10 elements with bracket for 2-sided mounting
- High protection rating optical and audible signal elements with IP54
- LED elements for long life

Signal beacons
- High protection rating IP65
- Cap consists of high impact polycarbonate (up to 20 J)
- Bulb change via inside of control box

Simple fitting with quick fix system
Each signal tower module is equipped with a bayonet fixing with integral contact system. The modules are fastened together by aligning the corresponding white marks then with a gentle twist they are locked into place (see the figures).

Signal towers and beacons
- Permanent light
- Blinking light
- Flashing light
- Audible
- LED permanent light
- LED blinking light
- LED rotating light

1SFC151084S0201

Signal towers and signal beacons

Signal towers - Light elements



KL70-401B



KL70-401Y



KA4-102...

Description

When ordering:

- Select up to 5 light elements
- Select up to 10 elements if bracket for 2-sided mounting is used
- Select up to 2 audible element (optional)
- Select bulb (optional)
- Select terminal element for preferred mounting type
- Select accessories for preferred mounting type.

Color	Rated voltage	Type	Order code	Pkg qty	Weight (1pce) kg
Light element with integrated LED					
Red	24 V AC/DC	Permanent light	KL70-305R	1SFA616070R3051	1	0.100
Green	24 V AC/DC	Permanent light	KL70-305G	1SFA616070R3052	1	0.100
Yellow	24 V AC/DC	Permanent light	KL70-305Y	1SFA616070R3053	1	0.100
Blue	24 V AC/DC	Permanent light	KL70-305L	1SFA616070R3054	1	0.100
Clear	24 V AC/DC	Permanent light	KL70-305C	1SFA616070R3058	1	0.100
Red	24 V AC/DC	Blinking light	KL70-306R	1SFA616070R3061	1	0.100
Green	24 V AC/DC	Blinking light	KL70-306G	1SFA616070R3062	1	0.100
Yellow	24 V AC/DC	Blinking light	KL70-306Y	1SFA616070R3063	1	0.100
Blue	24 V AC/DC	Blinking light	KL70-306L	1SFA616070R3064	1	0.100
Clear	24 V AC/DC	Blinking light	KL70-306C	1SFA616070R3068	1	0.100
Red	24 V AC/DC	Rotating light	KL70-307R	1SFA616070R3071	1	0.100
Green	24 V AC/DC	Rotating light	KL70-307G	1SFA616070R3072	1	0.100
Yellow	24 V AC/DC	Rotating light	KL70-307Y	1SFA616070R3073	1	0.100
Blue	24 V AC/DC	Rotating light	KL70-307L	1SFA616070R3074	1	0.100
Clear	24 V AC/DC	Rotating light	KL70-307C	1SFA616070R3078	1	0.100
Red	115 V AC	Blinking light	KL70-342R	1SFA616070R3421	1	0.100
Green	115 V AC	Blinking light	KL70-342G	1SFA616070R3422	1	0.100
Yellow	115 V AC	Blinking light	KL70-342Y	1SFA616070R3423	1	0.100
Blue	115 V AC	Blinking light	KL70-342L	1SFA616070R3424	1	0.100
Clear	115 V AC	Blinking light	KL70-342C	1SFA616070R3428	1	0.100
Red	230 V AC	Blinking light	KL70-352R	1SFA616070R3521	1	0.100
Green	230 V AC	Blinking light	KL70-352G	1SFA616070R3522	1	0.100
Yellow	230 V AC	Blinking light	KL70-352Y	1SFA616070R3523	1	0.100
Blue	230 V AC	Blinking light	KL70-352L	1SFA616070R3524	1	0.100
Clear	230 V AC	Blinking light	KL70-352C	1SFA616070R3528	1	0.100
Light element for bulb Ba 15d, bulb not included					
Red	12 ... 230 V AC/DC	Permanent light	KL70-401R	1SFA616070R4011	1	0.090
Green	12 ... 230 V AC/DC	Permanent light	KL70-401G	1SFA616070R4012	1	0.090
Yellow	12 ... 230 V AC/DC	Permanent light	KL70-401Y	1SFA616070R4013	1	0.090
Blue	12 ... 230 V AC/DC	Permanent light	KL70-401L	1SFA616070R4014	1	0.090
Clear	12 ... 230 V AC/DC	Permanent light	KL70-401C	1SFA616070R4018	1	0.090

Signal towers and signal beacons

Signal towers - Bulbs and audible modules



KL70-401B



KL70-401Y



KA4-102...

Description

When ordering:

- Select up to 5 light elements
- Select up to 10 elements if bracket for -sided mounting is used
- Select uo to 2 audible element (optional)
- Select bulb (optional)
- Select terminal element for prefered mounting type
- Select accessories for prefered mounting type.

Description	Rated voltage	Type	Order code	Pkg qty	Weight (1pce) kg
Bulbs for light element Bulb Ba 15d, 42 mm max 7 W					
For permanent or blinking light element	24 V AC/DC, 5 W	KA4-1028	1SFA616923R1028	10	0.009
For permanent or blinking light element	115 V AC/DC, 5 W	KA4-1118	1SFA616923R1118	10	0.009
For permanent or blinking light element	230 V AC/DC, 5 W	KA4-1148	1SFA616923R1148	10	0.009
LED bulbs Ba 15d, 40mA					
Red	24 V AC/DC	KA4-1021	1SFA616924R1021	1	0.009
Green	24 V AC/DC	KA4-1022	1SFA616924R1022	1	0.009
Yellow	24 V AC/DC	KA4-1023	1SFA616924R1023	1	0.009
Blue	24 V AC/DC	KA4-1024	1SFA616924R1024	1	0.009
Clear	24 V AC/DC	KA4-1025	1SFA616924R1025	1	0.009

Audible modules

Buzzer element Adjustable tone, 85 dB					
Continuous or pulsating tone	230 V AC	KB70-1201	1SFA616071R1201	1	0.120
Continuous or pulsating tone	24 V AC/DC	KB70-3001	1SFA616071R3001	1	0.110
Continuous or pulsating tone	115 V AC	KB70-3101	1SFA616071R3101	1	0.110
Siren element					
Multi function 8 diff. Tones adjustable volume adjustable 100 dB	115 V AC	KS70-1104	1SFA616073R1104	1	0.130
Multi function 8 diff. Tones adjustable volume adjustable 100 dB	230 V AC	KS70-1204	1SFA616073R1204	1	0.120
Multi function 7 diff. Tones adjustable volume adjustable 100 dB	24 V DC	KS70-2004	1SFA616073R2004	1	0.120
Multi function 8 diff. Tones adjustable volume adjustable 100 dB	24 V AC/DC	KS70-3004	1SFA616073R3004	1	0.120
Continuous tone alternating 108 dB	24 V DC	KS70-2002	1SFA616073R2002	1	0.150

Signal towers and signal beacons

Accessories


1SFC151510F0001

KT70-1001

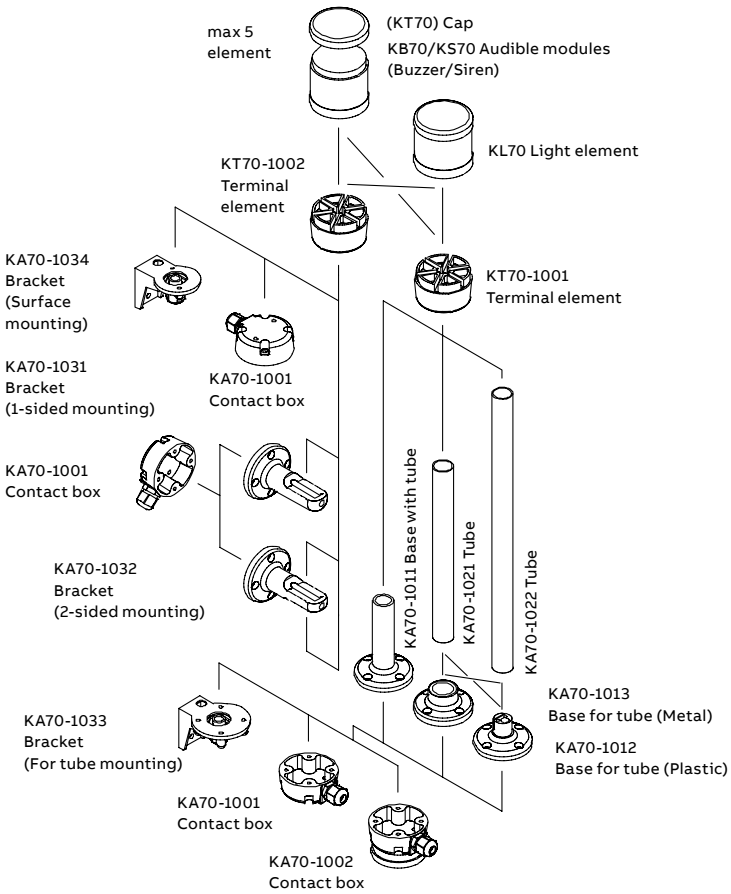

1SFC151511F0001

KA70-1001


1SFC151512F0001

KA70-1034

Description	Type	Order code	Pkg qty	Weight (1pce) kg
Terminal elements				
For tube mounting, including cap	KT70-1001	1SFA616075R1001	1	0.150
For bracket or base, including cap	KT70-1002	1SFA616075R1002	1	0.150
Special parts Contact box				
Cable exit at side	KA70-1001	1SFA616077R1001	1	0.070
Magnetic base	KA70-1002	1SFA616077R1002	1	0.070
Base with tube				
D=25 mm L=110 mm	KA70-1011	1SFA616077R1011	1	0.060
Base for tube				
D=25 mm, plastic	KA70-1012	1SFA616077R1012	1	0.030
D=25 mm, metal	KA70-1013	1SFA616077R1013	1	0.320
Tube, anodized aluminum				
D=25 mm L=250 mm	KA70-1021	1SFA616077R1021	1	0.080
D=25 mm L=400 mm	KA70-1022	1SFA616077R1022	1	0.120
D=25 mm L=800 mm	KA70-1023	1SFA616077R1023	1	0.240
Bracket				
1-sided mounting, max. 5 elements	KA70-1031	1SFA616077R1031	1	0.070
2-sided mounting, max. 10 elements	KA70-1032	1SFA616077R1032	1	0.070
For tube mounting	KA70-1033	1SFA616077R1033	1	0.070
For surface mounting	KA70-1034	1SFA616077R1034	1	0.070



Signal towers and signal beacons

Signal beacons


1SFC151513F0001

KSB-401G


1SFC151514F0001

KASB-100

Description

For panel mounting with hole diameter 37 mm, with optional anti-twist device.

Color	Rated voltage		Type	Order code	Pkg qty	Weight (1pce) kg
Integrated LED						
Red	24 V AC/DC	Permanent light	KSB-305R	1SFA616080R3051	1	0.140
Green	24 V AC/DC	Permanent light	KSB-305G	1SFA616080R3052	1	0.140
Yellow	24 V AC/DC	Permanent light	KSB-305Y	1SFA616080R3053	1	0.140
Red	24 V AC/DC	Blinking light	KSB-306R	1SFA616080R3061	1	0.140
Green	24 V AC/DC	Blinking light	KSB-306G	1SFA616080R3062	1	0.140
Yellow	24 V AC/DC	Blinking light	KSB-306Y	1SFA616080R3063	1	0.140
Red	24 V AC/DC	Rotating light	KSB-307R	1SFA616080R3071	1	0.140
Green	24 V AC/DC	Rotating light	KSB-307G	1SFA616080R3072	1	0.140
Yellow	24 V AC/DC	Rotating light	KSB-307Y	1SFA616080R3073	1	0.140
Red	115 V AC	Permanent light	KSB-115R	1SFA616080R1151	1	0.140
Green	115 V AC	Permanent light	KSB-115G	1SFA616080R1152	1	0.140
Yellow	115 V AC	Permanent light	KSB-115Y	1SFA616080R1153	1	0.140
Integrated xenon tube						
Red	24 V DC	Flashing light	KSB-203R	1SFA616080R2031	1	0.140
Green	24 V DC	Flashing light	KSB-203G	1SFA616080R2032	1	0.140
Yellow	24 V DC	Flashing light	KSB-203Y	1SFA616080R2033	1	0.140
Blue	24 V DC	Flashing light	KSB-203L	1SFA616080R2034	1	0.140
Clear	24 V DC	Flashing light	KSB-203C	1SFA616080R2038	1	0.140
Red	115 V AC	Flashing light	KSB-113R	1SFA616080R1131	1	0.140
Green	115 V AC	Flashing light	KSB-113G	1SFA616080R1132	1	0.140
Yellow	115 V AC	Flashing light	KSB-113Y	1SFA616080R1133	1	0.140
Blue	115 V AC	Flashing light	KSB-113L	1SFA616080R1134	1	0.140
Clear	115 V AC	Flashing light	KSB-113C	1SFA616080R1138	1	0.140
Red	230 V AC	Flashing light	KSB-123R	1SFA616080R1231	1	0.140
Green	230 V AC	Flashing light	KSB-123G	1SFA616080R1232	1	0.140
Yellow	230 V AC	Flashing light	KSB-123Y	1SFA616080R1233	1	0.140
Blue	230 V AC	Flashing light	KSB-123L	1SFA616080R1234	1	0.140
Clear	230 V AC	Flashing light	KSB-123C	1SFA616080R1238	1	0.140
For bulb Ba 15d, bulb not included						
Red	12 ... 240 V AC/DC	Permanent light	KSB-401R	1SFA616080R4011	1	0.130
Green	12 ... 240 V AC/DC	Permanent light	KSB-401G	1SFA616080R4012	1	0.130
Yellow	12 ... 240 V AC/DC	Permanent light	KSB-401Y	1SFA616080R4013	1	0.130
Blue	12 ... 240 V AC/DC	Permanent light	KSB-401L	1SFA616080R4014	1	0.130
Clear	12 ... 240 V AC/DC	Permanent light	KSB-401C	1SFA616080R4018	1	0.130

Bulbs for light element

Bulb Ba 15d, 42 mm
max 10 W for permanent light

	12 V AC/DC, 7 W	KA3-1018	1SFA616922R1018	10	0.011
	24 V AC/DC, 7 W	KA3-1028	1SFA616922R1028	10	0.011
	115 V AC/DC, 7 W	KA3-1118	1SFA616922R1118	10	0.011
	220 ... 260 V AC/DC, 7 ... 10 W	KA3-1148	1SFA616922R1148	10	0.011

Special parts

Anti-twist device	KASB-1000	1SFA616087R1000	1	0.005

Signal towers and signal beacons

Technical data

Signal towers K70 Technical specifications			
Housing and accessories	Polyamide, high impact, black		
Dome	Polycarbonate, transparent		
Fixing	Base mounting, tube Ø 25mm, bracket mounting		
Socket	B 15 d, for bulb max. 7W		
Connection	Screw connection up to 2.5 mm²		
Number of modules possible 1-sided bracket	max. 5		
Number of modules possible 2-sided bracket	max. 10		
Degrees of protection			
Light elements	IP 54	UL type 5	
Audible elements	IP 54	UL type 5	
Electrical data			
Permanent light element	12 ... 240 V		
Bulb socket B 15 d, max 7 W	Bulb not included		
Flashing light element	**24 V DC**	**115 V AC**	**230 V AC**
Flash frequency	1 Hz	1 Hz	1 Hz
Flash energy	2 Ws	2 Ws	2 Ws
Life duration	4 million flashes		
Current consumption	125 mA	22 mA	15 mA
Reduced for AS-Interface	80 mA	80 mA	80 mA
Starting current	< 0.5 A at 24 V		
LED permanent light element	**24 V AC/DC**	**115 V AC**	**230 V AC**
Life duration	100 000 hours		
Current consumption	45 mA	25mA	25mA
Starting current	< 0.5 A at 24 V		
LED blinking light element	**24 V AC/DC**	**115 V AC**	**230 V AC**
Life duration	100 000 hours		
Current consumption	25 mA	25mA	25mA
Starting current	< 0.5 A at 24 V		
Blink frequency	~ 1 Hz	~ 1 Hz	~ 1 Hz
LED rotation light element	**24 V AC/DC**		
Life duration	50 000 hours		
Current consumption	40 mA		
Starting current	< 0.5 A at 24 V		
Rotation frequency	~ 120 r.p m.		
Temperature			
Ambient temperature during operations	-20 to +50 °C		

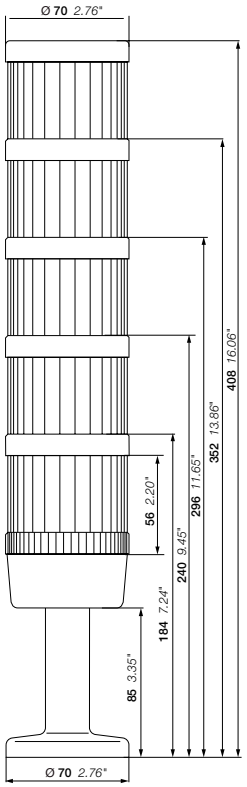
Signal beacons KSB Technical specifications			
Housing and accessories	PC/ABS-blend, high impact, black		
Dome	Polycarbonate, transparent		
Fixing	Installation mounting for Ø 37mm, (PG 29)		
Bulb socket	B 15 d, for bulb max. 10W		
Bulb change	Via rear access with bayonet mechanism (Bulb not included)		
Connection	Screw connection max 2.5 mm2		
Degrees of protection	IP 65, UL type 5		
Electrical data			
Permanent light element			
Operating voltage	max. 250 V		
Life duration	100 000 hours		
Bulb socket B 15 d, max 10 W	Bulb not included		
LED version: Permanent light	**24 V AC/DC**		
Life duration	100 000 hours		
Current consumption	45 mA		
Blinking light element	24 V, AC/DC		
Life duration	100 000 hours		
Current consumption	25 mA		
Rotation light element	**24 V AC/DC**		
Life duration	100 000 hours		
Current consumption	70 mA		
Starting current	< 0.5 A		
Flashing light element			
Operating voltage	24 V AC/DC	115 V AC	230 V AC
Flash frequency	1 Hz	1 Hz	1 Hz
Flash energy	2 Ws	2 Ws	2 Ws
Life duration	4 million flashes		
Current consumption	125 mA	20mA	35 mA
Starting current	< 0.5 A	< 0.5 A	< 0.5 A
Temperature			
Ambient temperature during operations	-20 to +50 °C		

1SFC151072S0201

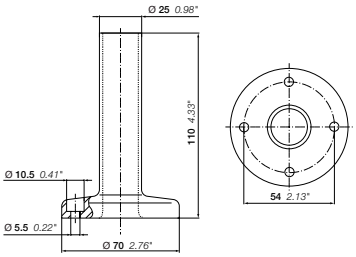
Signal towers and signal beacons

Dimensions and drilling plans

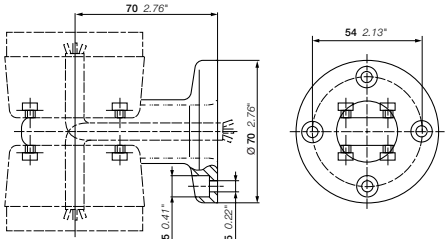
Signal towers K70



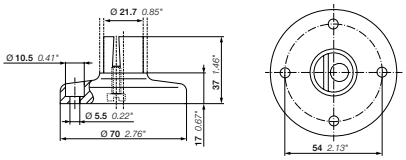
Base with integrated tube



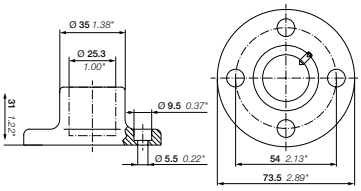
Bracket 2-sided mounting



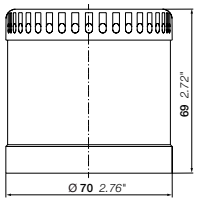
Base for tube, plastic



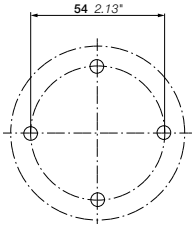
Base for tube, metal



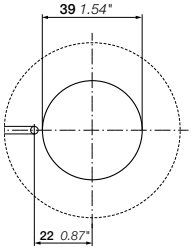
Audible module



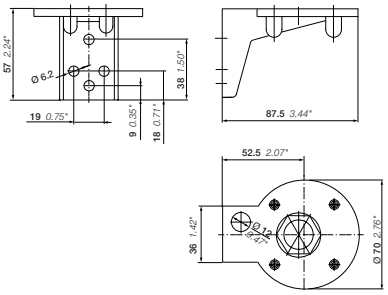
Drilling plan for signal towers K70



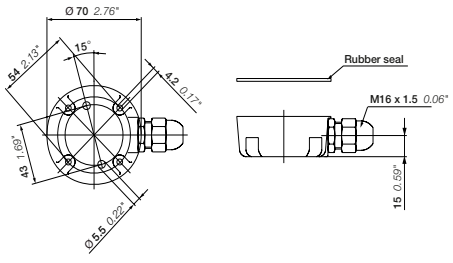
Drilling plan for signal beacons KSB



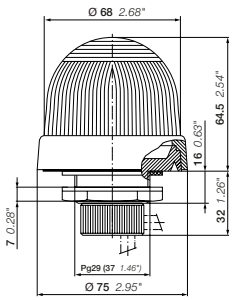
Bracket for tube mounting

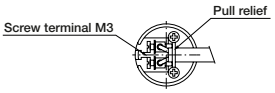


Contact box for cable exit at side

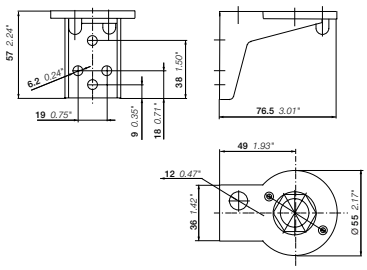


Signal beacons KSB

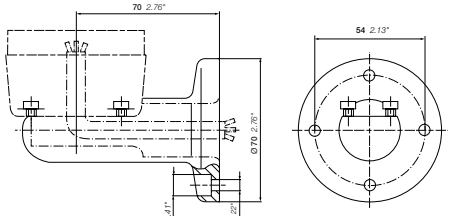




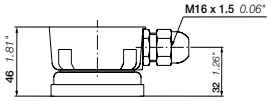
Bracket for surface mounting



Bracket 1-sided mounting



Contact box with magnetic base



Color selection

General technical data

Color selection according to IEC 60073

IEC 60073 specifies coding principles for indicators and actuators and gives recommendation regarding the use of colors. An excerpt from the standard is given below. For detailed information, see the standard.

Meaning of colors – General principles

Color		Safety of persons or environment	Condition of process	State of equipment
●	Red	Danger	Emergency	Faulty
●	Yellow	Warning/caution	Abnormal	Abnormal
●	Green	Safe	Normal	Normal
●	Blue	Mandatory significance		
○ ● ●	White, grey, black	No specific meaning assigned		

Non-illuminated actuators

Emergency Actuators

EMERGENCY STOP / OFF actuators shall be identified by the color RED.

STOP / OFF actuators

WHITE, GREY and BLACK are the preferred colors for STOP / OFF actuators, with the main preference being for BLACK. RED is also permitted. GREEN shall not be used.

START / ON actuators

WHITE, GREY and BLACK are the preferred colors for START / ON actuators, which cause the closing of switching devices and the equipment to start, with the main preference being for WHITE. GREEN is also permitted. RED shall not be used.

Use of WHITE and BLACK for specific meanings

Where the colors WHITE and BLACK are used to distinguish between START / ON and STOP / OFF actuators, then the color WHITE shall be used for START / ON actuators and the color BLACK shall be used for STOP / OFF actuators.

The same actuators serving for START / STOP or ON / OFF

WHITE, GREY and BLACK are the preferred colors for actuators which, when actuated several times, act alternately as a START / ON and STOP / OFF actuator.

The colors YELLOW and GREEN shall not be used. The color RED shall be used only in cases where the same actuator, other than a pushbutton, is used for both EMERGENCY STOP / OFF and normal operation.

WHITE, GREY and BLACK are preferred colors for actuators which cause a movement while they are actuated and stop the movement when they are released (such as inching or jogging actuators). GREEN is also permitted. RED shall not be used.

RESET actuators

RESET Actuators (used, for example, with protective relays) shall be BLUE, WHITE, GREY or BLACK, except RESET actuators which also act as STOP / OFF actuators. The color of such STOP / OFF actuators shall be in accordance with STOP / OFF actuators above.

1SFC151029S0201

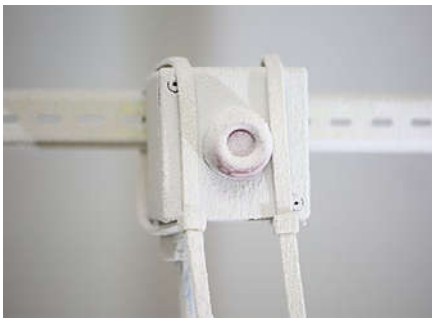
Degrees of protection

General technical data

In an installation, the degree of protection required for electrical equipment depends on the environmental characteristics.

The degree of protection, ensured by the enclosure of equipment or by the cubicle containing the equipment is expressed by the IP code which gives the level of protection against access to hazardous parts, the ingress of foreign bodies and/or the ingress of water, in compliance with IEC 60529, IEC 60947-1. Besides the IP symbol, the complete code has two figures followed (optionally) by two additional letters. A short description of the elements used in IP coding is given below.

	First figure	Specifications for installation protection Against ingress of foreign bodies	Protection of persons Against access to hazardous parts with:
IP	0	No protection	No protection
	1	Diameter > 50 mm	Back of hand
	2	Diameter > 12.5 mm	Finger
	3	Diameter > 2.5 mm	Tool
	4	Diameter > 1 mm	Wire
	5	Limited protection against dust	Wire
	6	Total protection against dust	Wire
	Second figure	**Against entrance of water having a harmful effect**	
	0	No protection	
	1	Vertical dripping	
	2	Dripping at a vertical angle of < 15°	
	3	Rain at a vertical angle of < 60°	
	4	Splashing	
	5	Low pressure water jet	
	6	Powerful water jets	
	7	Temporary immersion	
	8	Permanent immersion	
	9K*	High pressure, high temperature washdown	





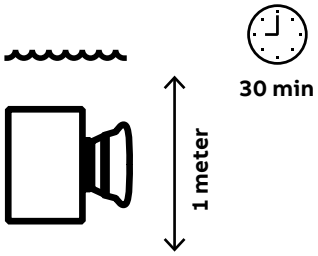
Note: the type of enclosure or cubicle in which the equipment must be installed prevails with respect to the degree of protection.
(*) According to DIN 400 50-9.

07

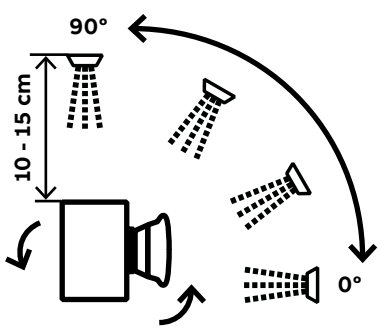
Water tests

IP67

The product is submerged



IP69K



1SFC151029S0201

Index

Order code classification

Order code	Type	Page
1SFA611100R1001	MP1-10R	13
1SFA611100R1002	MP1-10G	13
1SFA611100R1003	MP1-10Y	13
1SFA611100R1004	MP1-10L	13
1SFA611100R1005	MP1-10W	13
1SFA611100R1006	MP1-10B	13
1SFA611100R1008	MP1-10C	13
1SFA611100R1101	MP1-11R	15
1SFA611100R1102	MP1-11G	15
1SFA611100R1103	MP1-11Y	15
1SFA611100R1104	MP1-11L	15
1SFA611100R1105	MP1-11W	15
1SFA611100R1108	MP1-11C	15
1SFA611100R2001	MP1-20R	13
1SFA611100R2002	MP1-20G	13
1SFA611100R2003	MP1-20Y	13
1SFA611100R2004	MP1-20L	13
1SFA611100R2005	MP1-20W	13
1SFA611100R2006	MP1-20B	13
1SFA611100R2008	MP1-20C	13
1SFA611100R2101	MP1-21R	15
1SFA611100R2102	MP1-21G	15
1SFA611100R2103	MP1-21Y	15
1SFA611100R2104	MP1-21L	15
1SFA611100R2105	MP1-21W	15
1SFA611100R2108	MP1-21C	15
1SFA611100R3001	MP1-30R	13
1SFA611100R3002	MP1-30G	13
1SFA611100R3003	MP1-30Y	13
1SFA611100R3004	MP1-30L	13
1SFA611100R3005	MP1-30W	13
1SFA611100R3006	MP1-30B	13
1SFA611100R3008	MP1-30C	13
1SFA611100R3101	MP1-31R	15
1SFA611100R3102	MP1-31G	15
1SFA611100R3103	MP1-31Y	15
1SFA611100R3104	MP1-31L	15
1SFA611100R3105	MP1-31W	15
1SFA611100R3108	MP1-31C	15
1SFA611101R1001	MP2-10R	13
1SFA611101R1002	MP2-10G	13
1SFA611101R1003	MP2-10Y	13
1SFA611101R1004	MP2-10L	13
1SFA611101R1005	MP2-10W	13
1SFA611101R1006	MP2-10B	13
1SFA611101R1008	MP2-10C	13
1SFA611101R1101	MP2-11R	15
1SFA611101R1102	MP2-11G	15
1SFA611101R1103	MP2-11Y	15
1SFA611101R1104	MP2-11L	15
1SFA611101R1105	MP2-11W	15
1SFA611101R1108	MP2-11C	15
1SFA611101R2001	MP2-20R	13
1SFA611101R2002	MP2-20G	13
1SFA611101R2004	MP2-20L	13
1SFA611101R2005	MP2-20W	13
1SFA611101R2006	MP2-20B	13
1SFA611101R2101	MP2-21R	15
1SFA611101R2102	MP2-21G	15
1SFA611101R2103	MP2-21Y	15
1SFA611101R2104	MP2-21L	15
1SFA611101R2105	MP2-21W	15
1SFA611101R3001	MP2-30R	13
1SFA611101R3002	MP2-30G	13
1SFA611101R3003	MP2-30Y	13
1SFA611101R3004	MP2-30L	13
1SFA611101R3006	MP2-30B	13
1SFA611101R3101	MP2-31R	15
1SFA611101R3102	MP2-31G	15
1SFA611101R3103	MP2-31Y	15
1SFA611101R3104	MP2-31L	15
1SFA611101R3105	MP2-31W	15
1SFA611101R3108	MP2-31C	15
1SFA611102R1001	MP3-10R	14
1SFA611102R1002	MP3-10G	14
1SFA611102R1003	MP3-10Y	14
1SFA611102R1004	MP3-10L	14
1SFA611102R1005	MP3-10W	14
1SFA611102R1006	MP3-10B	14
1SFA611102R1008	MP3-10C	14
1SFA611102R1101	MP3-11R	16
1SFA611102R1102	MP3-11G	16
1SFA611102R1103	MP3-11Y	16
1SFA611102R1104	MP3-11L	16
1SFA611102R1105	MP3-11W	16
1SFA611102R1108	MP3-11C	16
1SFA611102R2001	MP3-20R	14
1SFA611102R2002	MP3-20G	14
1SFA611102R2003	MP3-20Y	14
1SFA611102R2004	MP3-20L	14
1SFA611102R2005	MP3-20W	14
1SFA611102R2006	MP3-20B	14
1SFA611102R2101	MP3-21R	16
1SFA611102R2102	MP3-21G	16
1SFA611102R2103	MP3-21Y	16
1SFA611102R2104	MP3-21L	16
1SFA611102R2105	MP3-21W	16
1SFA611102R2108	MP3-21C	16
1SFA611102R3001	MP3-30R	14
1SFA611102R3002	MP3-30G	14
1SFA611102R3003	MP3-30Y	14
1SFA611102R3004	MP3-30L	14
1SFA611102R3005	MP3-30W	14
1SFA611102R3006	MP3-30B	14
1SFA611102R3008	MP3-30C	14
1SFA611102R3101	MP3-31R	16
1SFA611102R3102	MP3-31G	16
1SFA611102R3103	MP3-31Y	16
1SFA611102R3104	MP3-31L	16
1SFA611102R3105	MP3-31W	16
1SFA611102R3108	MP3-31C	16
1SFA611103R1001	MP4-10R	14
1SFA611103R1002	MP4-10G	14
1SFA611103R1003	MP4-10Y	14
1SFA611103R1004	MP4-10L	14
1SFA611103R1005	MP4-10W	14
1SFA611103R1006	MP4-10B	14
1SFA611103R1008	MP4-10C	14
1SFA611103R1101	MP4-11R	16
1SFA611103R1102	MP4-11G	16
1SFA611103R1103	MP4-11Y	16
1SFA611103R1104	MP4-11L	16
1SFA611103R1105	MP4-11W	16
1SFA611103R1108	MP4-11C	16
1SFA611103R2001	MP4-20R	14
1SFA611103R2002	MP4-20G	14
1SFA611103R2003	MP4-20Y	14
1SFA611103R2004	MP4-20L	14
1SFA611103R2101	MP4-21R	16
1SFA611103R2102	MP4-21G	16
1SFA611103R2103	MP4-21Y	16
1SFA611103R2104	MP4-21L	16
1SFA611103R2105	MP4-21W	16
1SFA611103R2108	MP4-21C	16
1SFA611103R3002	MP4-30G	14
1SFA611103R3006	MP4-30B	14
1SFA611103R3101	MP4-31R	16
1SFA611103R3102	MP4-31G	16
1SFA611103R3104	MP4-31L	16
1SFA611103R3108	MP4-31C	16
1SFA611124R1001	MPM1-10R	20
1SFA611124R1002	MPM1-10G	20
1SFA611124R1003	MPM1-10Y	20
1SFA611124R1006	MPM1-10B	20
1SFA611124R1101	MPM1-11R	20
1SFA611124R1102	MPM1-11G	20
1SFA611124R1103	MPM1-11Y	20
1SFA611125R1001	MPM2-10R	20
1SFA611125R1003	MPM2-10Y	20
1SFA611125R1006	MPM2-10B	20
1SFA611125R1101	MPM2-11R	20
1SFA611125R1103	MPM2-11Y	20
1SFA611130R1101	MPD1-11R	18
1SFA611130R1102	MPD1-11G	18
1SFA611130R1103	MPD1-11Y	18
1SFA611130R1106	MPD1-11B	17
1SFA611130R1108	MPD1-11C	18
1SFA611131R1101	MPD2-11R	18
1SFA611131R1102	MPD2-11G	18
1SFA611131R1103	MPD2-11Y	18
1SFA611131R1106	MPD2-11B	17
1SFA611131R1108	MPD2-11C	18
1SFA611132R1101	MPD3-11R	18
1SFA611132R1102	MPD3-11G	18
1SFA611132R1103	MPD3-11Y	18
1SFA611132R1106	MPD3-11B	17
1SFA611132R1108	MPD3-11C	18
1SFA611133R1101	MPD4-11R	18
1SFA611133R1102	MPD4-11G	18
1SFA611133R1103	MPD4-11Y	18
1SFA611133R1106	MPD4-11B	17
1SFA611133R1108	MPD4-11C	18
1SFA611134R1101	MPD5-11R	18
1SFA611134R1102	MPD5-11G	18
1SFA611134R1103	MPD5-11Y	18
1SFA611134R1106	MPD5-11B	17
1SFA611134R1108	MPD5-11C	18
1SFA611135R1102	MPD6-11G	18
1SFA611135R1106	MPD6-11B	17
1SFA611135R1108	MPD6-11C	18
1SFA611136R1102	MPD7-11G	18
1SFA611136R1106	MPD7-11B	17
1SFA611137R1102	MPD8-11G	18
1SFA611137R1106	MPD8-11B	17
1SFA611137R1108	MPD8-11C	18
1SFA611138R1106	MPD9-11B	17
1SFA611141R1101	MPD12-11R	19
1SFA611141R1102	MPD12-11G	19
1SFA611141R1103	MPD12-11Y	19
1SFA611141R1106	MPD12-11B	17
1SFA611141R1108	MPD12-11C	19
1SFA611142R1101	MPD13-11R	19
1SFA611142R1102	MPD13-11G	19
1SFA611142R1103	MPD13-11Y	19
1SFA611142R1106	MPD13-11B	17
1SFA611142R1108	MPD13-11C	19
1SFA611143R1101	MPD14-11R	19
1SFA611143R1102	MPD14-11G	19
1SFA611143R1103	MPD14-11Y	19
1SFA611143R1106	MPD14-11B	17
1SFA611143R1108	MPD14-11C	19
1SFA611144R1101	MPD15-11R	19
1SFA611144R1102	MPD15-11G	19
1SFA611144R1103	MPD15-11Y	19

Index

Order code classification

Order code	Type	Page
1SFA611144R1106	MPD15-11B	17
1SFA611144R1108	MPD15-11C	19
1SFA611145R1101	MPD16-11R	19
1SFA611145R1102	MPD16-11G	19
1SFA611145R1103	MPD16-11Y	19
1SFA611145R1106	MPD16-11B	17
1SFA611145R1108	MPD16-11C	19
1SFA611146R1102	MPD17-11G	19
1SFA611146R1103	MPD17-11Y	19
1SFA611146R1106	MPD17-11B	17
1SFA611146R1108	MPD17-11C	19
1SFA611147R1106	MPD18-11B	17
1SFA611148R1102	MPD19-11G	19
1SFA611148R1106	MPD19-11B	17
1SFA611148R1108	MPD19-11C	19
1SFA611200R1001	M2SS1-10R	24
1SFA611200R1006	M2SS1-10B	24
1SFA611200R1007	M2SS1-10U	24
1SFA611200R1101	M2SS1-11R	29
1SFA611200R1102	M2SS1-11G	29
1SFA611200R1103	M2SS1-11Y	29
1SFA611200R1104	M2SS1-11L	29
1SFA611200R1108	M2SS1-11C	29
1SFA611200R2001	M2SS1-20R	24
1SFA611200R2006	M2SS1-20B	24
1SFA611200R2007	M2SS1-20U	24
1SFA611200R2101	M2SS1-21R	29
1SFA611200R2102	M2SS1-21G	29
1SFA611200R2103	M2SS1-21Y	29
1SFA611200R2104	M2SS1-21L	29
1SFA611200R2108	M2SS1-21C	29
1SFA611200R3001	M2SS1-30R	24
1SFA611200R3006	M2SS1-30B	24
1SFA611200R3101	M2SS1-31R	29
1SFA611200R3102	M2SS1-31G	29
1SFA611200R3103	M2SS1-31Y	29
1SFA611200R3108	M2SS1-31C	29
1SFA611201R1001	M2SS2-10R	24
1SFA611201R1006	M2SS2-10B	24
1SFA611201R1007	M2SS2-10U	24
1SFA611201R1101	M2SS2-11R	29
1SFA611201R1102	M2SS2-11G	29
1SFA611201R1103	M2SS2-11Y	29
1SFA611201R1104	M2SS2-11L	29
1SFA611201R1108	M2SS2-11C	29
1SFA611201R2001	M2SS2-20R	24
1SFA611201R2006	M2SS2-20B	24
1SFA611201R2007	M2SS2-20U	24
1SFA611201R2101	M2SS2-21R	29
1SFA611201R2102	M2SS2-21G	29
1SFA611201R2103	M2SS2-21Y	29
1SFA611201R2104	M2SS2-21L	29
1SFA611201R2108	M2SS2-21C	29
1SFA611201R3001	M2SS2-30R	24
1SFA611201R3006	M2SS2-30B	24
1SFA611201R3007	M2SS2-30U	24
1SFA611201R3101	M2SS2-31R	29
1SFA611201R3102	M2SS2-31G	29
1SFA611201R3103	M2SS2-31Y	29
1SFA611201R3104	M2SS2-31L	29
1SFA611201R3108	M2SS2-31C	29
1SFA611202R1001	M2SS3-10R	24
1SFA611202R1006	M2SS3-10B	24
1SFA611202R1007	M2SS3-10U	24
1SFA611202R1101	M2SS3-11R	29
1SFA611202R1102	M2SS3-11G	29
1SFA611202R1103	M2SS3-11Y	29
1SFA611202R1104	M2SS3-11L	29
1SFA611202R1108	M2SS3-11C	29
1SFA611202R2001	M2SS3-20R	24
1SFA611202R2006	M2SS3-20B	24
1SFA611202R2007	M2SS3-20U	24
1SFA611202R2101	M2SS3-21R	29
1SFA611202R2102	M2SS3-21G	29
1SFA611202R3001	M2SS3-30R	24
1SFA611202R3006	M2SS3-30B	24
1SFA611202R3101	M2SS3-31R	29
1SFA611202R3102	M2SS3-31G	29
1SFA611202R3103	M2SS3-31Y	29
1SFA611202R3108	M2SS3-31C	29
1SFA611203R1001	M2SS4-10R	25
1SFA611203R1006	M2SS4-10B	25
1SFA611203R1007	M2SS4-10U	25
1SFA611203R1101	M2SS4-11R	30
1SFA611203R1102	M2SS4-11G	30
1SFA611203R1103	M2SS4-11Y	30
1SFA611203R1104	M2SS4-11L	30
1SFA611203R1108	M2SS4-11C	30
1SFA611203R2001	M2SS4-20R	25
1SFA611203R2006	M2SS4-20B	25
1SFA611203R2007	M2SS4-20U	25
1SFA611203R2101	M2SS4-21R	30
1SFA611203R2102	M2SS4-21G	30
1SFA611203R2103	M2SS4-21Y	30
1SFA611203R2104	M2SS4-21L	30
1SFA611203R2108	M2SS4-21C	30
1SFA611203R3006	M2SS4-30B	25
1SFA611203R3102	M2SS4-31G	30
1SFA611203R3108	M2SS4-31C	30
1SFA611204R1001	M2SS5-10R	25
1SFA611204R1006	M2SS5-10B	25
1SFA611204R1007	M2SS5-10U	25
1SFA611204R1101	M2SS5-11R	30
1SFA611204R1102	M2SS5-11G	30
1SFA611204R1103	M2SS5-11Y	30
1SFA611204R1104	M2SS5-11L	30
1SFA611204R1108	M2SS5-11C	30
1SFA611204R2001	M2SS5-20R	25
1SFA611204R2006	M2SS5-20B	25
1SFA611204R2007	M2SS5-20U	25
1SFA611204R2101	M2SS5-21R	30
1SFA611204R2102	M2SS5-21G	30
1SFA611204R2103	M2SS5-21Y	30
1SFA611204R2104	M2SS5-21L	30
1SFA611204R2108	M2SS5-21C	30
1SFA611204R3001	M2SS5-30R	25
1SFA611204R3006	M2SS5-30B	25
1SFA611204R3101	M2SS5-31R	30
1SFA611204R3102	M2SS5-31G	30
1SFA611204R3103	M2SS5-31Y	30
1SFA611204R3104	M2SS5-31L	30
1SFA611204R3108	M2SS5-31C	30
1SFA611205R1001	M2SS6-10R	25
1SFA611205R1006	M2SS6-10B	25
1SFA611205R1007	M2SS6-10U	25
1SFA611205R1101	M2SS6-11R	30
1SFA611205R1102	M2SS6-11G	30
1SFA611205R1103	M2SS6-11Y	30
1SFA611205R1104	M2SS6-11L	30
1SFA611205R1108	M2SS6-11C	30
1SFA611205R2006	M2SS6-20B	25
1SFA611205R2007	M2SS6-20U	25
1SFA611205R3006	M2SS6-30B	25
1SFA611205R3108	M2SS6-31C	30
1SFA611210R1001	M3SS1-10R	26
1SFA611210R1006	M3SS1-10B	26
1SFA611210R1007	M3SS1-10U	26
1SFA611210R1101	M3SS1-11R	31
1SFA611210R1102	M3SS1-11G	31
1SFA611210R1103	M3SS1-11Y	31
1SFA611210R1104	M3SS1-11L	31
1SFA611210R1108	M3SS1-11C	31
1SFA611210R2001	M3SS1-20R	26
1SFA611210R2006	M3SS1-20B	26
1SFA611210R2007	M3SS1-20U	26
1SFA611210R2101	M3SS1-21R	31
1SFA611210R2102	M3SS1-21G	31
1SFA611210R2103	M3SS1-21Y	31
1SFA611210R2104	M3SS1-21L	31
1SFA611210R2108	M3SS1-21C	31
1SFA611210R3001	M3SS1-30R	26
1SFA611210R3006	M3SS1-30B	26
1SFA611210R3007	M3SS1-30U	26
1SFA611210R3101	M3SS1-31R	31
1SFA611210R3102	M3SS1-31G	31
1SFA611210R3103	M3SS1-31Y	31
1SFA611210R3104	M3SS1-31L	31
1SFA611210R3108	M3SS1-31C	31
1SFA611211R1001	M3SS2-10R	26
1SFA611211R1006	M3SS2-10B	26
1SFA611211R1007	M3SS2-10U	26
1SFA611211R1101	M3SS2-11R	31
1SFA611211R1102	M3SS2-11G	31
1SFA611211R1103	M3SS2-11Y	31
1SFA611211R1104	M3SS2-11L	31
1SFA611211R1108	M3SS2-11C	31
1SFA611211R2001	M3SS2-20R	26
1SFA611211R2006	M3SS2-20B	26
1SFA611211R2007	M3SS2-20U	26
1SFA611211R2101	M3SS2-21R	31
1SFA611211R2102	M3SS2-21G	31
1SFA611211R2103	M3SS2-21Y	31
1SFA611211R2104	M3SS2-21L	31
1SFA611211R2108	M3SS2-21C	31
1SFA611211R3001	M3SS2-30R	26
1SFA611211R3006	M3SS2-30B	26
1SFA611211R3101	M3SS2-31R	31
1SFA611211R3102	M3SS2-31G	31
1SFA611211R3104	M3SS2-31L	31
1SFA611211R3108	M3SS2-31C	31
1SFA611212R1001	M3SS3-10R	26
1SFA611212R1006	M3SS3-10B	26
1SFA611212R1007	M3SS3-10U	26
1SFA611212R1101	M3SS3-11R	31
1SFA611212R1102	M3SS3-11G	31
1SFA611212R1103	M3SS3-11Y	31
1SFA611212R1104	M3SS3-11L	31
1SFA611212R1108	M3SS3-11C	31
1SFA611212R2006	M3SS3-20B	26
1SFA611212R2007	M3SS3-20U	26
1SFA611212R2101	M3SS3-21R	31
1SFA611212R2102	M3SS3-21G	31
1SFA611212R2108	M3SS3-21C	31
1SFA611212R3006	M3SS3-30B	26
1SFA611212R3108	M3SS3-31C	31
1SFA611213R1001	M3SS4-10R	27
1SFA611213R1006	M3SS4-10B	27
1SFA611213R1007	M3SS4-10U	27
1SFA611213R1101	M3SS4-11R	32
1SFA611213R1102	M3SS4-11G	32
1SFA611213R1103	M3SS4-11Y	32
1SFA611213R1104	M3SS4-11L	32
1SFA611213R1108	M3SS4-11C	32
1SFA611213R2001	M3SS4-20R	27

Index

Order code classification

Order code	Type	Page
1SFA611213R2006	M3SS4-20B	27
1SFA611213R2007	M3SS4-20U	27
1SFA611213R2101	M3SS4-21R	32
1SFA611213R2102	M3SS4-21G	32
1SFA611213R2103	M3SS4-21Y	32
1SFA611213R2104	M3SS4-21L	32
1SFA611213R2108	M3SS4-21C	32
1SFA611213R3006	M3SS4-30B	27
1SFA611213R3101	M3SS4-31R	32
1SFA611213R3108	M3SS4-31C	32
1SFA611214R1001	M3SS5-10R	27
1SFA611214R1006	M3SS5-10B	27
1SFA611214R1007	M3SS5-10U	27
1SFA611214R1101	M3SS5-11R	32
1SFA611214R1102	M3SS5-11G	32
1SFA611214R1103	M3SS5-11Y	32
1SFA611214R1104	M3SS5-11L	32
1SFA611214R1108	M3SS5-11C	32
1SFA611214R2006	M3SS5-20B	27
1SFA611214R2007	M3SS5-20U	27
1SFA611214R2101	M3SS5-21R	32
1SFA611214R2102	M3SS5-21G	32
1SFA611214R2103	M3SS5-21Y	32
1SFA611214R2104	M3SS5-21L	32
1SFA611214R2108	M3SS5-21C	32
1SFA611214R3001	M3SS5-30R	27
1SFA611214R3006	M3SS5-30B	27
1SFA611214R3102	M3SS5-31G	32
1SFA611214R3108	M3SS5-31C	32
1SFA611215R1001	M3SS6-10R	27
1SFA611215R1006	M3SS6-10B	27
1SFA611215R1007	M3SS6-10U	27
1SFA611215R1101	M3SS6-11R	32
1SFA611215R1102	M3SS6-11G	32
1SFA611215R1103	M3SS6-11Y	32
1SFA611215R1104	M3SS6-11L	32
1SFA611215R1108	M3SS6-11C	32
1SFA611215R2006	M3SS6-20B	27
1SFA611215R2102	M3SS6-21G	32
1SFA611215R2103	M3SS6-21Y	32
1SFA611215R3006	M3SS6-30B	27
1SFA611215R3104	M3SS6-31L	32
1SFA611216R1001	M3SS7-10R	26
1SFA611216R1006	M3SS7-10B	26
1SFA611216R1007	M3SS7-10U	26
1SFA611216R1101	M3SS7-11R	31
1SFA611216R1102	M3SS7-11G	31
1SFA611216R1103	M3SS7-11Y	31
1SFA611216R1104	M3SS7-11L	31
1SFA611216R1108	M3SS7-11C	31
1SFA611216R2001	M3SS7-20R	26
1SFA611216R2006	M3SS7-20B	26
1SFA611216R2102	M3SS7-21G	31
1SFA611216R2104	M3SS7-21L	31
1SFA611216R2108	M3SS7-21C	31
1SFA611216R3006	M3SS7-30B	26
1SFA611216R3102	M3SS7-31G	31
1SFA611216R3108	M3SS7-31C	31
1SFA611217R1001	M3SS8-10R	27
1SFA611217R1006	M3SS8-10B	27
1SFA611217R1007	M3SS8-10U	27
1SFA611217R1101	M3SS8-11R	32
1SFA611217R1102	M3SS8-11G	32
1SFA611217R1103	M3SS8-11Y	32
1SFA611217R1104	M3SS8-11L	32
1SFA611217R1108	M3SS8-11C	32
1SFA611217R2006	M3SS8-20B	27
1SFA611217R2101	M3SS8-21R	32
1SFA611217R2102	M3SS8-21G	32
1SFA611217R3006	M3SS8-30B	27
1SFA611217R3101	M3SS8-31R	32
1SFA611217R3102	M3SS8-31G	32
1SFA611220R1006	M2SSV1-10B	89
1SFA611221R1006	M2SSV2-10B	89
1SFA611222R1006	M2SSV3-10B	89
1SFA611230R1006	M3SSV1-10B	89
1SFA611231R1006	M3SSV2-10B	89
1SFA611232R1006	M3SSV3-10B	89
1SFA611250R1006	M3SSC1-10B	28
1SFA611250R3006	M3SSC1-30B	28
1SFA611251R1006	M3SSC2-10B	28
1SFA611251R3006	M3SSC2-30B	28
1SFA611252R1006	M3SSC3-10B	28
1SFA611252R3006	M3SSC3-30B	28
1SFA611256R1006	M3SSC7-10B	28
1SFA611256R3006	M3SSC7-30B	28
1SFA611280R1001	M2SSK1-101	33
1SFA611280R1002	M2SSK1-102	33
1SFA611280R1003	M2SSK1-103	33
1SFA611280R1004	M2SSK1-104	33
1SFA611280R2001	M2SSK1-201	33
1SFA611280R3001	M2SSK1-301	33
1SFA611280R3002	M2SSK1-302	33
1SFA611280R3003	M2SSK1-303	33
1SFA611280R3004	M2SSK1-304	33
1SFA611281R1001	M2SSK2-101	33
1SFA611281R1002	M2SSK2-102	33
1SFA611281R1003	M2SSK2-103	33
1SFA611281R1004	M2SSK2-104	33
1SFA611281R2001	M2SSK2-201	33
1SFA611281R2003	M2SSK2-203	33
1SFA611281R3001	M2SSK2-301	33
1SFA611281R3002	M2SSK2-302	33
1SFA611281R3003	M2SSK2-303	33
1SFA611281R3004	M2SSK2-304	33
1SFA611282R1001	M2SSK3-101	33
1SFA611282R1002	M2SSK3-102	33
1SFA611282R1003	M2SSK3-103	33
1SFA611282R1004	M2SSK3-104	33
1SFA611282R3001	M2SSK3-301	33
1SFA611282R3002	M2SSK3-302	33
1SFA611282R3003	M2SSK3-303	33
1SFA611282R3004	M2SSK3-304	33
1SFA611283R1001	M3SSK1-101	34
1SFA611283R1002	M3SSK1-102	34
1SFA611283R1003	M3SSK1-103	34
1SFA611283R1004	M3SSK1-104	34
1SFA611283R2001	M3SSK1-201	34
1SFA611283R3001	M3SSK1-301	34
1SFA611283R3002	M3SSK1-302	34
1SFA611283R3003	M3SSK1-303	34
1SFA611283R3004	M3SSK1-304	34
1SFA611284R1001	M3SSK2-101	34
1SFA611284R1002	M3SSK2-102	34
1SFA611284R1003	M3SSK2-103	34
1SFA611284R1004	M3SSK2-104	34
1SFA611284R3001	M3SSK2-301	34
1SFA611285R1001	M3SSK3-101	34
1SFA611285R1002	M3SSK3-102	34
1SFA611285R1003	M3SSK3-103	34
1SFA611285R1004	M3SSK3-104	34
1SFA611285R3001	M3SSK3-301	34
1SFA611285R3002	M3SSK3-302	34
1SFA611285R3003	M3SSK3-303	34
1SFA611286R1001	M3SSK4-101	34
1SFA611286R1002	M3SSK4-102	34
1SFA611286R3001	M3SSK4-301	34
1SFA611286R3002	M3SSK4-302	34
1SFA611287R1001	M3SSK5-101	34
1SFA611287R1003	M3SSK5-103	34
1SFA611287R3001	M3SSK5-301	34
1SFA611288R1001	M3SSK6-101	34
1SFA611289R1001	M2SSK4-101	33
1SFA611300R1006	MTS1-10B	39
1SFA611300R2006	MTS1-20B	39
1SFA611300R3006	MTS1-30B	39
1SFA611301R1006	MTS2-10B	39
1SFA611301R2006	MTS2-20B	39
1SFA611301R3006	MTS2-30B	39
1SFA611302R1006	MTS3-10B	39
1SFA611302R2006	MTS3-20B	39
1SFA611302R3006	MTS3-30B	39
1SFA611400R1001	ML1-100R	23
1SFA611400R1002	ML1-100G	23
1SFA611400R1003	ML1-100Y	23
1SFA611400R1004	ML1-100L	23
1SFA611400R1005	ML1-100W	23
1SFA611400R1008	ML1-100C	23
1SFA611410R1006	MT-1B	35
1SFA611410R1056	MT-105B	35
1SFA611410R1106	MT-110B	35
1SFA611410R1506	MT-150B	35
1SFA611410R2006	MT-2B	35
1SFA611410R2056	MT-205B	35
1SFA611410R2106	MT-210B	35
1SFA611410R2506	MT-250B	35
1SFA611410R3006	MT-3B	35
1SFA611410R3056	MT-305B	35
1SFA611410R3106	MT-310B	35
1SFA611410R3506	MT-350B	35
1SFA611510R1101	MPMT3-11R	21
1SFA611511R1101	MPMP3-11R	21
1SFA611513R1001	MPMT4-10R	21
1SFA611513R1101	MPMT4-11R	21
1SFA611514R1001	MPMP4-10R	21
1SFA611514R1101	MPMP4-11R	21
1SFA611520R1001	MPET3-10R	21
1SFA611520R1006	MPET3-10B	22
1SFA611521R1001	MPEP3-10R	21
1SFA611521R1006	MPEP3-10B	22
1SFA611522R1101	MPEK3-11R	21
1SFA611522R1106	MPEK3-11B	22
1SFA611522R1201	MPEK3-12R	21
1SFA611522R1301	MPEK3-13R	21
1SFA611523R1001	MPET4-10R	21
1SFA611523R1006	MPET4-10B	22
1SFA611524R1001	MPEP4-10R	21
1SFA611524R1006	MPEP4-10B	22
1SFA611525R1101	MPEK4-11R	21
1SFA611525R1106	MPEK4-11B	22
1SFA611525R1201	MPEK4-12R	21
1SFA611525R1301	MPEK4-13R	21
1SFA611601R1100	MCBH5-00	41
1SFA611605R1100	MCBH-00	41
1SFA611610R1001	MCB-10	41
1SFA611610R1002	MCB-20	41
1SFA611610R1010	MCB-01	41
1SFA611610R1011	MCB-11	41
1SFA611610R1020	MCB-02	41
1SFA611610R1101	MCB-10G	41
1SFA611610R1110	MCB-01G	41
1SFA611610R2001	MCB-10B	84
1SFA611610R2002	MCB-20B	84
1SFA611610R2010	MCB-01B	84
1SFA611610R2011	MCB-11B	84

Index

Order code classification

Order code	Type	Page
1SFA611610R2020	MCB-02B	84
1SFA611610R2101	MCB-10BG	84
1SFA611610R2110	MCB-01BG	84
1SFA611612R1001	MCBL-01	41
1SFA611612R1010	MCBL-10	41
1SFA611621R1001	MLBL-00R	42
1SFA611621R1002	MLBL-00G	42
1SFA611621R1003	MLBL-00Y	42
1SFA611621R1004	MLBL-00L	42
1SFA611621R1005	MLBL-00W	42
1SFA611621R1011	MLBL-01R	42
1SFA611621R1012	MLBL-01G	42
1SFA611621R1013	MLBL-01Y	42
1SFA611621R1014	MLBL-01L	42
1SFA611621R1015	MLBL-01W	42
1SFA611621R1021	MLBL-02R	42
1SFA611621R1022	MLBL-02G	42
1SFA611621R1023	MLBL-02Y	42
1SFA611621R1024	MLBL-02L	42
1SFA611621R1025	MLBL-02W	42
1SFA611621R1031	MLBL-03R	42
1SFA611621R1032	MLBL-03G	42
1SFA611621R1033	MLBL-03Y	42
1SFA611621R1034	MLBL-03L	42
1SFA611621R1035	MLBL-03W	42
1SFA611621R1041	MLBL-04R	42
1SFA611621R1042	MLBL-04G	42
1SFA611621R1043	MLBL-04Y	42
1SFA611621R1044	MLBL-04L	42
1SFA611621R1045	MLBL-04W	42
1SFA611621R1051	MLBL-05R	42
1SFA611621R1052	MLBL-05G	42
1SFA611621R1053	MLBL-05Y	42
1SFA611621R1054	MLBL-05L	42
1SFA611621R1055	MLBL-05W	42
1SFA611621R1061	MLBL-06R	42
1SFA611621R1062	MLBL-06G	42
1SFA611621R1063	MLBL-06Y	42
1SFA611621R1064	MLBL-06L	42
1SFA611621R1065	MLBL-06W	42
1SFA611621R1071	MLBL-07R	43
1SFA611621R1072	MLBL-07G	43
1SFA611621R1073	MLBL-07Y	43
1SFA611621R1074	MLBL-07L	43
1SFA611621R1075	MLBL-07W	43
1SFA611621R1081	MLBL-08R	43
1SFA611621R1082	MLBL-08G	43
1SFA611621R1083	MLBL-08Y	43
1SFA611621R1084	MLBL-08L	43
1SFA611621R1085	MLBL-08W	43
1SFA611621R1091	MLBL-09R	43
1SFA611621R1092	MLBL-09G	43
1SFA611621R1093	MLBL-09Y	43
1SFA611621R1094	MLBL-09L	43
1SFA611621R1095	MLBL-09W	43
1SFA611621R1991	MLBL-99R	43
1SFA611621R1992	MLBL-99G	43
1SFA611621R1993	MLBL-99Y	43
1SFA611621R1994	MLBL-99L	43
1SFA611621R1995	MLBL-99W	43
1SFA611621R2001	MLBL-00BR	85
1SFA611621R2002	MLBL-00BG	85
1SFA611621R2003	MLBL-00BY	85
1SFA611621R2004	MLBL-00BL	85
1SFA611621R2005	MLBL-00BW	85
1SFA611621R2011	MLBL-01BR	85
1SFA611621R2012	MLBL-01BG	85
1SFA611621R2013	MLBL-01BY	85
1SFA611621R2014	MLBL-01BL	85
1SFA611621R2015	MLBL-01BW	85
1SFA611621R2021	MLBL-02BR	85
1SFA611621R2022	MLBL-02BG	85
1SFA611621R2023	MLBL-02BY	85
1SFA611621R2024	MLBL-02BL	85
1SFA611621R2025	MLBL-02BW	85
1SFA611621R2031	MLBL-03BR	85
1SFA611621R2032	MLBL-03BG	85
1SFA611621R2033	MLBL-03BY	85
1SFA611621R2034	MLBL-03BL	85
1SFA611621R2035	MLBL-03BW	85
1SFA611621R2041	MLBL-04BR	85
1SFA611621R2042	MLBL-04BG	85
1SFA611621R2043	MLBL-04BY	85
1SFA611621R2044	MLBL-04BL	85
1SFA611621R2045	MLBL-04BW	85
1SFA611621R2051	MLBL-05BR	85
1SFA611621R2052	MLBL-05BG	85
1SFA611621R2053	MLBL-05BY	85
1SFA611621R2054	MLBL-05BL	85
1SFA611621R2055	MLBL-05BW	85
1SFA611621R2061	MLBL-06BR	85
1SFA611621R2062	MLBL-06BG	85
1SFA611621R2063	MLBL-06BY	85
1SFA611621R2064	MLBL-06BL	85
1SFA611621R2065	MLBL-06BW	85
1SFA611621R2071	MLBL-07BR	86
1SFA611621R2072	MLBL-07BG	86
1SFA611621R2073	MLBL-07BY	86
1SFA611621R2074	MLBL-07BL	86
1SFA611621R2075	MLBL-07BW	86
1SFA611621R2081	MLBL-08BR	86
1SFA611621R2082	MLBL-08BG	86
1SFA611621R2083	MLBL-08BY	86
1SFA611621R2084	MLBL-08BL	86
1SFA611621R2085	MLBL-08BW	86
1SFA611621R2091	MLBL-09BR	86
1SFA611621R2092	MLBL-09BG	86
1SFA611621R2093	MLBL-09BY	86
1SFA611621R2094	MLBL-09BL	86
1SFA611621R2095	MLBL-09BW	86
1SFA611621R3041	MLBL-04AR	42
1SFA611621R3042	MLBL-04AG	42
1SFA611621R3043	MLBL-04AY	42
1SFA611621R3044	MLBL-04AL	42
1SFA611621R3045	MLBL-04AW	42
1SFA611630R1002	MDB-2	45
1SFA611701R4006	MJS1-40B	38
1SFA611701R6006	MJS1-60B	38
1SFA611702R4006	MJS2-40B	38
1SFA611702R6006	MJS2-60B	38
1SFA611703R4006	MJS3-40B	38
1SFA611703R6006	MJS3-60B	38
1SFA611704R4006	MJS4-40B	38
1SFA611704R6006	MJS4-60B	38
1SFA611705R4006	MJS5-40B	38
1SFA611705R6006	MJS5-60B	38
1SFA611706R4006	MJS6-40B	38
1SFA611706R6006	MJS6-60B	38
1SFA611707R4006	MJS7-40B	38
1SFA611707R6006	MJS7-60B	38
1SFA611708R4006	MJS8-40B	38
1SFA611708R6006	MJS8-60B	38
1SFA611709R4006	MJS9-40B	38
1SFA611709R6006	MJS9-60B	38
1SFA611710R6006	MJS10-60B	38
1SFA611711R4006	MJS11-40B	38
1SFA611711R6006	MJS11-60B	38
1SFA611712R4006	MJS12-40B	38
1SFA611712R6006	MJS12-60B	38
1SFA611811R1000	MEP1-0	83
1SFA611812R1000	MEP2-0	83
1SFA611812R1001	MEP2-1001	90
1SFA611813R1000	MEP3-0	83
1SFA611814R1000	MEP4-0	83
1SFA611816R1000	MEP6-0	83
1SFA611821R1000	MEPY1-0	83
1SFA611821R1035	MEPY1-1035	90
1SFA611821R1040	MEPY1-1040	90
1SFA611821R1041	MEPY1-1041	90
1SFA611821R1042	MEPY1-1042	90
1SFA611920H8150	MA1-8150	84
1SFA611920R8001	MA1-8001	45
1SFA611920R8002	MA1-8002	44
1SFA611920R8015	MA1-8015	45
1SFA611920R8019	MA1-8019	45
1SFA611920R8052	MA1-8052	44
1SFA611920R8053	MA1-8053	44
1SFA611920R8074	MA1-8074	44
1SFA611920R8126	MA1-8126	44
1SFA611920R8128	MA1-8128	44
1SFA611920R8129	MA1-8129	84
1SFA611920R8130	MA1-8130	84
1SFA611920R8131	MA1-8131	45
1SFA611920R8136	MA1-8136	84
1SFA611920R8137	MA1-8137	38
1SFA611920R8138	MA1-8138	38
1SFA611920R8139	MA1-8139	17
1SFA611920R8149	MA1-8149	45
1SFA611920R8152	MA1-8152	44
1SFA611920R8153	MA1-8153	44
1SFA611925R3001	MA5-3001	84
1SFA611925R3002	MA5-3002	84
1SFA611925R3003	MA5-3003	84
1SFA611925R3004	MA5-3004	84
1SFA611925R3005	MA5-3005	84
1SFA611925R3006	MA5-3006	84
1SFA611925R3007	MA5-3007	84
1SFA611925R3008	MA5-3008	84
1SFA611925R3009	MA5-3009	84
1SFA611925R3010	MA5-3010	84
1SFA611930R1000	MA6-1000	88
1SFA611930R1002	MA6-1002	88
1SFA611930R1003	MA6-1003	88
1SFA611930R1004	MA6-1004	88
1SFA611930R1005	MA6-1005	88
1SFA611930R1006	MA6-1006	88
1SFA611930R1007	MA6-1007	88
1SFA611930R1008	MA6-1008	88
1SFA611930R1009	MA6-1009	88
1SFA611930R1010	MA6-1010	98
1SFA611930R1011	MA6-1011	98
1SFA611930R1012	MA6-1012	88
1SFA611930R1013	MA6-1013	88
1SFA611930R1014	MA6-1014	88
1SFA611930R1015	MA6-1015	88
1SFA611930R1016	MA6-1016	88
1SFA611930R1017	MA6-1017	98
1SFA611930R1018	MA6-1018	98
1SFA611930R1019	MA6-1019	98
1SFA611930R1020	MA6-1020	98
1SFA611930R1021	MA6-1021	98
1SFA611930R1022	MA6-1022	98
1SFA611930R1023	MA6-1023	98
1SFA611930R1024	MA6-1024	88

Index

Order code classification

Order code	Type	Page
1SFA611930R1025	MA6-1025	88
1SFA611930R1026	MA6-1026	88
1SFA611930R1027	MA6-1027	88
1SFA611930R1028	MA6-1028	88
1SFA611930R1029	MA6-1029	88
1SFA611930R1032	MA6-1032	97
1SFA611930R1033	MA6-1033	97
1SFA611930R1034	MA6-1034	97
1SFA611930R1035	MA6-1035	97
1SFA611930R1036	MA6-1036	97
1SFA611930R1037	MA6-1037	97
1SFA611930R1038	MA6-1038	97
1SFA611930R1039	MA6-1039	97
1SFA611930R1040	MA6-1040	97
1SFA611930R1041	MA6-1041	97
1SFA611930R1042	MA6-1042	97
1SFA611930R1043	MA6-1043	97
1SFA611930R1044	MA6-1044	97
1SFA611930R1045	MA6-1045	97
1SFA611930R1047	MA6-1047	97
1SFA611930R1054	MA6-1054	97
1SFA611930R1058	MA6-1058	97
1SFA611930R1060	MA6-1060	87
1SFA611930R1061	MA6-1061	87
1SFA611930R1062	MA6-1062	87
1SFA611930R1063	MA6-1063	87
1SFA611930R1064	MA6-1064	87
1SFA611930R1065	MA6-1065	87
1SFA611930R1070	MA6-1070	97
1SFA611930R1071	MA6-1071	97
1SFA611930R1073	MA6-1073	97
1SFA611930R1074	MA6-1074	97
1SFA611930R1075	MA6-1075	97
1SFA611930R1076	MA6-1076	97
1SFA611930R1077	MA6-1077	97
1SFA611930R1078	MA6-1078	97
1SFA611930R1079	MA6-1079	97
1SFA611930R1080	MA6-1080	97
1SFA611930R1082	MA6-1082	97
1SFA611930R1083	MA6-1083	97
1SFA611930R1084	MA6-1084	97
1SFA611930R1085	MA6-1085	97
1SFA611930R1086	MA6-1086	97
1SFA611930R1087	MA6-1087	97
1SFA611930R1100	MA6-1100	88
1SFA611930R1101	MA6-1101	88
1SFA611930R1102	MA6-1102	88
1SFA611930R1103	MA6-1103	88
1SFA611930R1104	MA6-1104	88
1SFA611930R1118	MA6-1118	97
1SFA611930R1130	MA6-1130	87
1SFA611930R1131	MA6-1131	87
1SFA611930R1132	MA6-1132	87
1SFA611930R1133	MA6-1133	87
1SFA611930R1134	MA6-1134	87
1SFA611930R1135	MA6-1135	87
1SFA611930R1136	MA6-1136	87
1SFA611930R1137	MA6-1137	87
1SFA611930R1138	MA6-1138	87
1SFA611930R1139	MA6-1139	87
1SFA611930R1140	MA6-1140	87
1SFA611930R1141	MA6-1141	87
1SFA611930R1152	MA6-1152	87
1SFA611930R1153	MA6-1153	87
1SFA611930R1170	MA6-1170	87
1SFA611930R1171	MA6-1171	87
1SFA611930R1172	MA6-1172	87
1SFA611930R1173	MA6-1173	87
1SFA611930R1174	MA6-1174	87
1SFA611930R1175	MA6-1175	87
1SFA611930R1176	MA6-1176	87
1SFA611930R1177	MA6-1177	87
1SFA611930R1178	MA6-1178	87
1SFA611930R1179	MA6-1179	87
1SFA611930R1190	MA6-1190	87
1SFA611930R1191	MA6-1191	87
1SFA611930R1192	MA6-1192	87
1SFA611930R1193	MA6-1193	87
1SFA611930R1194	MA6-1194	87
1SFA611930R1210	MA6-1210	97
1SFA611930R1240	MA6-1240	38
1SFA611930R1241	MA6-1241	38
1SFA611930R1242	MA6-1242	38
1SFA611930R1252	MA6-1252	35
1SFA611940R1000	MA16-1000	99
1SFA611940R1001	MA16-1001	99
1SFA616070R3051	KL70-305R	103
1SFA616070R3052	KL70-305G	103
1SFA616070R3053	KL70-305Y	103
1SFA616070R3054	KL70-305L	103
1SFA616070R3058	KL70-305C	103
1SFA616070R3061	KL70-306R	103
1SFA616070R3062	KL70-306G	103
1SFA616070R3063	KL70-306Y	103
1SFA616070R3064	KL70-306L	103
1SFA616070R3068	KL70-306C	103
1SFA616070R3071	KL70-307R	103
1SFA616070R3072	KL70-307G	103
1SFA616070R3073	KL70-307Y	103
1SFA616070R3074	KL70-307L	103
1SFA616070R3078	KL70-307C	103
1SFA616070R3421	KL70-342R	103
1SFA616070R3422	KL70-342G	103
1SFA616070R3423	KL70-342Y	103
1SFA616070R3424	KL70-342L	103
1SFA616070R3428	KL70-342C	103
1SFA616070R3521	KL70-352R	103
1SFA616070R3522	KL70-352G	103
1SFA616070R3523	KL70-352Y	103
1SFA616070R3524	KL70-352L	103
1SFA616070R3528	KL70-352C	103
1SFA616070R4011	KL70-401R	103
1SFA616070R4012	KL70-401G	103
1SFA616070R4013	KL70-401Y	103
1SFA616070R4014	KL70-401L	103
1SFA616070R4018	KL70-401C	103
1SFA616071R1201	KB70-1201	104
1SFA616071R3001	KB70-3001	104
1SFA616071R3101	KB70-3101	104
1SFA616073R1104	KS70-1104	104
1SFA616073R1204	KS70-1204	104
1SFA616073R2002	KS70-2002	104
1SFA616073R2004	KS70-2004	104
1SFA616073R3004	KS70-3004	104
1SFA616075R1001	KT70-1001	105
1SFA616075R1002	KT70-1002	105
1SFA616077R1001	KA70-1001	105
1SFA616077R1002	KA70-1002	105
1SFA616077R1011	KA70-1011	105
1SFA616077R1012	KA70-1012	105
1SFA616077R1013	KA70-1013	105
1SFA616077R1021	KA70-1021	105
1SFA616077R1022	KA70-1022	105
1SFA616077R1023	KA70-1023	105
1SFA616077R1031	KA70-1031	105
1SFA616077R1032	KA70-1032	105
1SFA616077R1033	KA70-1033	105
1SFA616077R1034	KA70-1034	105
1SFA616080R1131	KSB-113R	106
1SFA616080R1132	KSB-113G	106
1SFA616080R1133	KSB-113Y	106
1SFA616080R1134	KSB-113L	106
1SFA616080R1138	KSB-113C	106
1SFA616080R1151	KSB-115R	106
1SFA616080R1152	KSB-115G	106
1SFA616080R1153	KSB-115Y	106
1SFA616080R1231	KSB-123R	106
1SFA616080R1232	KSB-123G	106
1SFA616080R1233	KSB-123Y	106
1SFA616080R1234	KSB-123L	106
1SFA616080R1238	KSB-123C	106
1SFA616080R2031	KSB-203R	106
1SFA616080R2032	KSB-203G	106
1SFA616080R2033	KSB-203Y	106
1SFA616080R2034	KSB-203L	106
1SFA616080R2038	KSB-203C	106
1SFA616080R3051	KSB-305R	106
1SFA616080R3052	KSB-305G	106
1SFA616080R3053	KSB-305Y	106
1SFA616080R3061	KSB-306R	106
1SFA616080R3062	KSB-306G	106
1SFA616080R3063	KSB-306Y	106
1SFA616080R3071	KSB-307R	106
1SFA616080R3072	KSB-307G	106
1SFA616080R3073	KSB-307Y	106
1SFA616080R4011	KSB-401R	106
1SFA616080R4012	KSB-401G	106
1SFA616080R4013	KSB-401Y	106
1SFA616080R4014	KSB-401L	106
1SFA616080R4018	KSB-401C	106
1SFA616087R1000	KASB-1000	106
1SFA616105R4001	KP6-40R	23
1SFA616105R4002	KP6-40G	23
1SFA616105R4006	KP6-40B	23
1SFA616160R1001	KPR1-100R	36
1SFA616160R1002	KPR1-100G	36
1SFA616160R1003	KPR1-100Y	36
1SFA616160R1004	KPR1-100L	36
1SFA616160R1005	KPR1-100W	36
1SFA616160R1006	KPR1-100B	36
1SFA616160R1014	KPR1-101L	36
1SFA616160R1015	KPR1-101W	36
1SFA616160R1022	KPR1-102G	36
1SFA616160R1025	KPR1-102W	36
1SFA616160R1032	KPR1-103G	36
1SFA616160R1035	KPR1-103W	36
1SFA616160R1046	KPR1-104B	36
1SFA616161R1001	KPR2-100R	36
1SFA616161R1005	KPR2-100L	36
1SFA616161R1006	KPR2-100B	36
1SFA616161R1051	KPR2-105R	36
1SFA616161R1056	KPR2-105B	36
1SFA616162R1001	KPR3-100R	37
1SFA616162R1002	KPR3-100G	37
1SFA616162R1003	KPR3-100Y	37
1SFA616162R1004	KPR3-100L	37
1SFA616162R1005	KPR3-100W	37
1SFA616162R1006	KPR3-100B	37
1SFA616162R1014	KPR3-101L	37
1SFA616162R1015	KPR3-101W	37
1SFA616162R1025	KPR3-102W	37
1SFA616162R1032	KPR3-103G	37
1SFA616162R1046	KPR3-104B	37
1SFA616162R1062	KPR3-106G	37

Index

Order code classification

Order code	Type	Page
1SFA616163R1001	KPR4-100R	37
1SFA616163R1005	KPR4-100W	37
1SFA616163R1006	KPR4-100B	37
1SFA616163R1051	KPR4-105R	37
1SFA616163R1056	KPR4-105B	37
1SFA616901R1019	KTC1-1019	100
1SFA616901R1020	KTC1-1020	100
1SFA616901R1025	KTC1-1025	100
1SFA616901R1031	KTC1-1031	100
1SFA616901R1039	KTC1-1039	100
1SFA616901R9000	KTC1-9000	100
1SFA616901R9002	KTC1-9002	100
1SFA616901R9003	KTC1-9003	100
1SFA616901R9004	KTC1-9004	100
1SFA616901R9005	KTC1-9005	100
1SFA616901R9006	KTC1-9006	100
1SFA616901R9009	KTC1-9009	100
1SFA616901R9016	KTC1-9016	100
1SFA616901R9020	KTC1-9020	100
1SFA616901R9026	KTC1-9026	100
1SFA616901R9028	KTC1-9028	100
1SFA616902R1020	KTC2-1020	100
1SFA616902R1025	KTC2-1025	100
1SFA616902R1031	KTC2-1031	100
1SFA616902R9000	KTC2-9000	100
1SFA616902R9002	KTC2-9002	100
1SFA616902R9003	KTC2-9003	100
1SFA616902R9005	KTC2-9005	100
1SFA616902R9006	KTC2-9006	100
1SFA616902R9015	KTC2-9015	100
1SFA616902R9016	KTC2-9016	100
1SFA616902R9028	KTC2-9028	100
1SFA616903R1019	KTC3-1019	100
1SFA616903R1020	KTC3-1020	100
1SFA616903R1039	KTC3-1039	100
1SFA616903R9000	KTC3-9000	100
1SFA616903R9002	KTC3-9002	100
1SFA616904R1047	KTC4-1047	100
1SFA616904R9004	KTC4-9004	100
1SFA616905R1040	KTC5-1040	100
1SFA616905R1047	KTC5-1047	100
1SFA616905R9004	KTC5-9004	100
1SFA616906R1039	KTC6-1039	100
1SFA616906R1042	KTC6-1042	100
1SFA616906R9002	KTC6-9002	100
1SFA616908R1039	KTC8-1039	100
1SFA616908R9002	KTC8-9002	100
1SFA616908R9003	KTC8-9003	100
1SFA616908R9004	KTC8-9004	100
1SFA616908R9005	KTC8-9005	100
1SFA616908R9011	KTC8-9011	100
1SFA616908R9012	KTC8-9012	100
1SFA616908R9015	KTC8-9015	100
1SFA616908R9016	KTC8-9016	100
1SFA616908R9018	KTC8-9018	100
1SFA616908R9026	KTC8-9026	100
1SFA616915R1005	-	98
1SFA616915R1038	-	98
1SFA616915R6005	-	98
1SFA616920R8005	KA1-8005	23
1SFA616920R8010	KA1-8010	44
1SFA616920R8020	KA1-8020	44
1SFA616920R8021	KA1-8021	44
1SFA616920R8022	KA1-8022	44
1SFA616920R8023	KA1-8023	44
1SFA616920R8024	KA1-8024	44
1SFA616920R8027	KA1-8027	44
1SFA616920R8028	KA1-8028	44
1SFA616920R8029	KA1-8029	44
1SFA616920R8045	KA1-8045	84
1SFA616920R8046	KA1-8046	36
1SFA616920R8047	KA1-8047	36
1SFA616920R8072	KA1-8072	72
1SFA616920R8073	KA1-8073	44
1SFA616920R8080	KA1-8080	44
1SFA616920R8120	KA1-8120	97
1SFA616920R8121	KA1-8121	97
1SFA616921R2011	KA2-2011	68
1SFA616921R2012	KA2-2012	68
1SFA616921R2013	KA2-2013	68
1SFA616921R2014	KA2-2014	68
1SFA616921R2015	KA2-2015	68
1SFA616921R2021	KA2-2021	68
1SFA616921R2022	KA2-2022	68
1SFA616921R2023	KA2-2023	68
1SFA616921R2024	KA2-2024	68
1SFA616921R2025	KA2-2025	68
1SFA616921R2031	KA2-2031	68
1SFA616921R2032	KA2-2032	68
1SFA616921R2033	KA2-2033	68
1SFA616921R2034	KA2-2034	68
1SFA616921R2035	KA2-2035	68
1SFA616921R2041	KA2-2041	68
1SFA616921R2042	KA2-2042	68
1SFA616921R2043	KA2-2043	68
1SFA616921R2044	KA2-2044	68
1SFA616921R2045	KA2-2045	68
1SFA616921R2051	KA2-2051	68
1SFA616921R2052	KA2-2052	68
1SFA616921R2053	KA2-2053	68
1SFA616921R2054	KA2-2054	68
1SFA616921R2055	KA2-2055	68
1SFA616921R2131	KA2-2131	68
1SFA616921R2132	KA2-2132	68
1SFA616921R2133	KA2-2133	68
1SFA616921R2134	KA2-2134	68
1SFA616921R2135	KA2-2135	68
1SFA616921R2141	KA2-2141	68
1SFA616921R2142	KA2-2142	68
1SFA616921R2143	KA2-2143	68
1SFA616921R2144	KA2-2144	68
1SFA616921R2145	KA2-2145	68
1SFA616921R2221	KA2-2221	68
1SFA616921R2222	KA2-2222	68
1SFA616921R2223	KA2-2223	68
1SFA616921R2224	KA2-2224	68
1SFA616921R2225	KA2-2225	68
1SFA616921R2231	KA2-2231	68
1SFA616921R2232	KA2-2232	68
1SFA616921R2233	KA2-2233	68
1SFA616921R2234	KA2-2234	68
1SFA616921R2235	KA2-2235	68
1SFA616922R1018	KA3-1018	106
1SFA616922R1028	KA3-1028	106
1SFA616922R1118	KA3-1118	106
1SFA616922R1148	KA3-1148	106
1SFA616923R1028	KA4-1028	104
1SFA616923R1118	KA4-1118	104
1SFA616923R1148	KA4-1148	104
1SFA616924R1021	KA4-1021	104
1SFA616924R1022	KA4-1022	104
1SFA616924R1023	KA4-1023	104
1SFA616924R1024	KA4-1024	104
1SFA616924R1025	KA4-1025	104
1SFA619100R1011	CP1-10R-10	53
1SFA619100R1012	CP1-10G-10	53
1SFA619100R1013	CP1-10Y-10	53
1SFA619100R1014	CP1-10L-10	53
1SFA619100R1015	CP1-10W-10	53
1SFA619100R1016	CP1-10B-10	53
1SFA619100R1021	CP1-10R-20	53
1SFA619100R1022	CP1-10G-20	53
1SFA619100R1023	CP1-10Y-20	53
1SFA619100R1024	CP1-10L-20	53
1SFA619100R1025	CP1-10W-20	53
1SFA619100R1026	CP1-10B-20	53
1SFA619100R1041	CP1-10R-01	53
1SFA619100R1046	CP1-10B-01	53
1SFA619100R1051	CP1-10R-02	53
1SFA619100R1056	CP1-10B-02	53
1SFA619100R1071	CP1-10R-11	53
1SFA619100R1072	CP1-10G-11	53
1SFA619100R1073	CP1-10Y-11	53
1SFA619100R1074	CP1-10L-11	53
1SFA619100R1075	CP1-10W-11	53
1SFA619100R1076	CP1-10B-11	53
1SFA619100R1111	CP1-11R-10	57
1SFA619100R1112	CP1-11G-10	57
1SFA619100R1113	CP1-11Y-10	57
1SFA619100R1114	CP1-11L-10	57
1SFA619100R1118	CP1-11C-10	57
1SFA619100R1141	CP1-11R-01	57
1SFA619100R1211	CP1-12R-10	57
1SFA619100R1212	CP1-12G-10	57
1SFA619100R1213	CP1-12Y-10	57
1SFA619100R1214	CP1-12L-10	57
1SFA619100R1218	CP1-12C-10	57
1SFA619100R1241	CP1-12R-01	57
1SFA619100R1311	CP1-13R-10	57
1SFA619100R1312	CP1-13G-10	57
1SFA619100R1313	CP1-13Y-10	57
1SFA619100R1314	CP1-13L-10	57
1SFA619100R1318	CP1-13C-10	57
1SFA619100R1341	CP1-13R-01	57
1SFA619100R3011	CP1-30R-10	53
1SFA619100R3012	CP1-30G-10	53
1SFA619100R3013	CP1-30Y-10	53
1SFA619100R3014	CP1-30L-10	53
1SFA619100R3015	CP1-30W-10	53
1SFA619100R3016	CP1-30B-10	53
1SFA619100R3021	CP1-30R-20	53
1SFA619100R3022	CP1-30G-20	53
1SFA619100R3023	CP1-30Y-20	53
1SFA619100R3024	CP1-30L-20	53
1SFA619100R3025	CP1-30W-20	53
1SFA619100R3026	CP1-30B-20	53
1SFA619100R3041	CP1-30R-01	53
1SFA619100R3046	CP1-30B-01	53
1SFA619100R3051	CP1-30R-02	53
1SFA619100R3056	CP1-30B-02	53
1SFA619100R3071	CP1-30R-11	53
1SFA619100R3072	CP1-30G-11	53
1SFA619100R3073	CP1-30Y-11	53
1SFA619100R3074	CP1-30L-11	53
1SFA619100R3075	CP1-30W-11	53
1SFA619100R3076	CP1-30B-11	53
1SFA619100R3111	CP1-31R-10	57
1SFA619100R3112	CP1-31G-10	57
1SFA619100R3113	CP1-31Y-10	57
1SFA619100R3114	CP1-31L-10	57
1SFA619100R3118	CP1-31C-10	57
1SFA619100R3141	CP1-31R-01	57
1SFA619100R3144	CP1-31L-01	57
1SFA619101R1011	CP2-10R-10	54

Index

Order code classification

Order code	Type	Page
1SFA619101R1012	CP2-10G-10	54
1SFA619101R1013	CP2-10Y-10	54
1SFA619101R1014	CP2-10L-10	54
1SFA619101R1015	CP2-10W-10	54
1SFA619101R1016	CP2-10B-10	54
1SFA619101R1021	CP2-10R-20	54
1SFA619101R1022	CP2-10G-20	54
1SFA619101R1023	CP2-10Y-20	54
1SFA619101R1024	CP2-10L-20	54
1SFA619101R1025	CP2-10W-20	54
1SFA619101R1026	CP2-10B-20	54
1SFA619101R1041	CP2-10R-01	54
1SFA619101R1046	CP2-10B-01	54
1SFA619101R1051	CP2-10R-02	54
1SFA619101R1056	CP2-10B-02	54
1SFA619101R1071	CP2-10R-11	54
1SFA619101R1072	CP2-10G-11	54
1SFA619101R1073	CP2-10Y-11	54
1SFA619101R1074	CP2-10L-11	54
1SFA619101R1075	CP2-10W-11	54
1SFA619101R1076	CP2-10B-11	54
1SFA619101R1111	CP2-11R-10	58
1SFA619101R1112	CP2-11G-10	58
1SFA619101R1113	CP2-11Y-10	58
1SFA619101R1114	CP2-11L-10	58
1SFA619101R1118	CP2-11C-10	58
1SFA619101R1141	CP2-11R-01	58
1SFA619101R1211	CP2-12R-10	58
1SFA619101R1212	CP2-12G-10	58
1SFA619101R1213	CP2-12Y-10	58
1SFA619101R1214	CP2-12L-10	58
1SFA619101R1218	CP2-12C-10	58
1SFA619101R1241	CP2-12R-01	58
1SFA619101R1311	CP2-13R-10	58
1SFA619101R1312	CP2-13G-10	58
1SFA619101R1313	CP2-13Y-10	58
1SFA619101R1314	CP2-13L-10	58
1SFA619101R1318	CP2-13C-10	58
1SFA619101R1341	CP2-13R-01	58
1SFA619101R3011	CP2-30R-10	54
1SFA619101R3012	CP2-30G-10	54
1SFA619101R3014	CP2-30L-10	54
1SFA619101R3015	CP2-30W-10	54
1SFA619101R3016	CP2-30B-10	54
1SFA619101R3021	CP2-30R-20	54
1SFA619101R3022	CP2-30G-20	54
1SFA619101R3023	CP2-30Y-20	54
1SFA619101R3024	CP2-30L-20	54
1SFA619101R3025	CP2-30W-20	54
1SFA619101R3026	CP2-30B-20	54
1SFA619101R3041	CP2-30R-01	54
1SFA619101R3046	CP2-30B-01	54
1SFA619101R3051	CP2-30R-02	54
1SFA619101R3071	CP2-30R-11	54
1SFA619101R3072	CP2-30G-11	54
1SFA619101R3073	CP2-30Y-11	54
1SFA619101R3076	CP2-30B-11	54
1SFA619102R1011	CP3-10R-10	55
1SFA619102R1012	CP3-10G-10	55
1SFA619102R1013	CP3-10Y-10	55
1SFA619102R1014	CP3-10L-10	55
1SFA619102R1015	CP3-10W-10	55
1SFA619102R1016	CP3-10B-10	55
1SFA619102R1021	CP3-10R-20	55
1SFA619102R1022	CP3-10G-20	55
1SFA619102R1023	CP3-10Y-20	55
1SFA619102R1024	CP3-10L-20	55
1SFA619102R1025	CP3-10W-20	55
1SFA619102R1026	CP3-10B-20	55
1SFA619102R1041	CP3-10R-01	55
1SFA619102R1046	CP3-10B-01	55
1SFA619102R1051	CP3-10R-02	55
1SFA619102R1056	CP3-10B-02	55
1SFA619102R1071	CP3-10R-11	55
1SFA619102R1072	CP3-10G-11	55
1SFA619102R1073	CP3-10Y-11	55
1SFA619102R1074	CP3-10L-11	55
1SFA619102R1075	CP3-10W-11	55
1SFA619102R1076	CP3-10B-11	55
1SFA619102R1111	CP3-11R-10	59
1SFA619102R1112	CP3-11G-10	59
1SFA619102R1113	CP3-11Y-10	59
1SFA619102R1114	CP3-11L-10	59
1SFA619102R1118	CP3-11C-10	59
1SFA619102R1141	CP3-11R-01	59
1SFA619102R1211	CP3-12R-10	59
1SFA619102R1212	CP3-12G-10	59
1SFA619102R1213	CP3-12Y-10	59
1SFA619102R1214	CP3-12L-10	59
1SFA619102R1218	CP3-12C-10	59
1SFA619102R1241	CP3-12R-01	59
1SFA619102R1311	CP3-13R-10	59
1SFA619102R1312	CP3-13G-10	59
1SFA619102R1313	CP3-13Y-10	59
1SFA619102R1314	CP3-13L-10	59
1SFA619102R1318	CP3-13C-10	59
1SFA619102R1341	CP3-13R-01	59
1SFA619102R3012	CP3-30G-10	55
1SFA619102R3015	CP3-30W-10	55
1SFA619102R3016	CP3-30B-10	55
1SFA619102R3021	CP3-30R-20	55
1SFA619102R3022	CP3-30G-20	55
1SFA619102R3023	CP3-30Y-20	55
1SFA619102R3024	CP3-30L-20	55
1SFA619102R3025	CP3-30W-20	55
1SFA619102R3026	CP3-30B-20	55
1SFA619102R3041	CP3-30R-01	55
1SFA619102R3046	CP3-30B-01	55
1SFA619102R3071	CP3-30R-11	55
1SFA619102R3072	CP3-30G-11	55
1SFA619102R3075	CP3-30W-11	55
1SFA619102R3076	CP3-30B-11	55
1SFA619103R1011	CP4-10R-10	56
1SFA619103R1012	CP4-10G-10	56
1SFA619103R1013	CP4-10Y-10	56
1SFA619103R1014	CP4-10L-10	56
1SFA619103R1015	CP4-10W-10	56
1SFA619103R1016	CP4-10B-10	56
1SFA619103R1021	CP4-10R-20	56
1SFA619103R1022	CP4-10G-20	56
1SFA619103R1026	CP4-10B-20	56
1SFA619103R1041	CP4-10R-01	56
1SFA619103R1051	CP4-10R-02	56
1SFA619103R1056	CP4-10B-02	56
1SFA619103R1071	CP4-10R-11	56
1SFA619103R1072	CP4-10G-11	56
1SFA619103R1073	CP4-10Y-11	56
1SFA619103R1074	CP4-10L-11	56
1SFA619103R1075	CP4-10W-11	56
1SFA619103R1076	CP4-10B-11	56
1SFA619103R1111	CP4-11R-10	60
1SFA619103R1112	CP4-11G-10	60
1SFA619103R1113	CP4-11Y-10	60
1SFA619103R1114	CP4-11L-10	60
1SFA619103R1118	CP4-11C-10	60
1SFA619103R1141	CP4-11R-01	60
1SFA619103R1211	CP4-12R-10	60
1SFA619103R1212	CP4-12G-10	60
1SFA619103R1213	CP4-12Y-10	60
1SFA619103R1214	CP4-12L-10	60
1SFA619103R1218	CP4-12C-10	60
1SFA619103R1241	CP4-12R-01	60
1SFA619103R1311	CP4-13R-10	60
1SFA619103R1312	CP4-13G-10	60
1SFA619103R1313	CP4-13Y-10	60
1SFA619103R1314	CP4-13L-10	60
1SFA619103R1318	CP4-13C-10	60
1SFA619103R1341	CP4-13R-01	60
1SFA619103R3012	CP4-30G-10	56
1SFA619103R3022	CP4-30G-20	56
1SFA619103R3071	CP4-30R-11	56
1SFA619105R1021	CP6-10R-20	64
1SFA619105R1022	CP6-10G-20	64
1SFA619105R1026	CP6-10B-20	64
1SFA619105R1051	CP6-10R-02	64
1SFA619105R1056	CP6-10B-02	64
1SFA619105R1071	CP6-10R-11	64
1SFA619105R1072	CP6-10G-11	64
1SFA619105R1076	CP6-10B-11	64
1SFA619126R1071	CPM3-10R-11	61
1SFA619126R1072	CPM3-10G-11	61
1SFA619126R1073	CPM3-10Y-11	61
1SFA619126R1074	CPM3-10L-11	61
1SFA619126R1076	CPM3-10B-11	61
1SFA619200R1016	C2SS1-10B-10	69
1SFA619200R1026	C2SS1-10B-20	69
1SFA619200R1046	C2SS1-10B-01	69
1SFA619200R1076	C2SS1-10B-11	69
1SFA619200R3016	C2SS1-30B-10	69
1SFA619200R3026	C2SS1-30B-20	69
1SFA619200R3046	C2SS1-30B-01	69
1SFA619200R3076	C2SS1-30B-11	69
1SFA619201R1016	C2SS2-10B-10	69
1SFA619201R1026	C2SS2-10B-20	69
1SFA619201R1046	C2SS2-10B-01	69
1SFA619201R1076	C2SS2-10B-11	69
1SFA619201R3016	C2SS2-30B-10	69
1SFA619201R3026	C2SS2-30B-20	69
1SFA619201R3046	C2SS2-30B-01	69
1SFA619201R3076	C2SS2-30B-11	69
1SFA619202R1016	C2SS3-10B-10	69
1SFA619202R1026	C2SS3-10B-20	69
1SFA619202R1046	C2SS3-10B-01	69
1SFA619202R1076	C2SS3-10B-11	69
1SFA619202R3016	C2SS3-30B-10	69
1SFA619202R3026	C2SS3-30B-20	69
1SFA619202R3076	C2SS3-30B-11	69
1SFA619204R3016	C2SS5-30B-10	69
1SFA619204R3076	C2SS5-30B-11	69
1SFA619210R1026	C3SS1-10B-20	70
1SFA619210R1076	C3SS1-10B-11	70
1SFA619210R3026	C3SS1-30B-20	70
1SFA619210R3076	C3SS1-30B-11	70
1SFA619211R1026	C3SS2-10B-20	70
1SFA619211R1076	C3SS2-10B-11	70
1SFA619211R3026	C3SS2-30B-20	70
1SFA619211R3076	C3SS2-30B-11	70
1SFA619212R1026	C3SS3-10B-20	70
1SFA619212R1076	C3SS3-10B-11	70
1SFA619212R3026	C3SS3-30B-20	70
1SFA619212R3076	C3SS3-30B-11	70
1SFA619213R1026	C3SS4-10B-20	70
1SFA619213R1076	C3SS4-10B-11	70
1SFA619214R1026	C3SS5-10B-20	70

Index

Order code classification

Order code	Type	Page
1SFA619214R1076	C3SS5-10B-11	70
1SFA619214R3026	C3SS5-30B-20	70
1SFA619214R3076	C3SS5-30B-11	70
1SFA619215R1026	C3SS6-10B-20	70
1SFA619216R1026	C3SS7-10B-20	70
1SFA619216R1076	C3SS7-10B-11	70
1SFA619216R3026	C3SS7-30B-20	70
1SFA619217R1026	C3SS8-10B-20	70
1SFA619402R1001	CL-100R	67
1SFA619402R1002	CL-100G	67
1SFA619402R1003	CL-100Y	67
1SFA619402R1004	CL-100L	67
1SFA619402R1005	CL-100W	67
1SFA619402R1008	CL-100C	67
1SFA619403R5011	CL2-501R	65
1SFA619403R5012	CL2-501G	65
1SFA619403R5013	CL2-501Y	65
1SFA619403R5014	CL2-501L	65
1SFA619403R5018	CL2-501C	65
1SFA619403R5021	CL2-502R	65
1SFA619403R5022	CL2-502G	65
1SFA619403R5023	CL2-502Y	65
1SFA619403R5024	CL2-502L	65
1SFA619403R5028	CL2-502C	65
1SFA619403R5061	CL2-506R	65
1SFA619403R5062	CL2-506G	65
1SFA619403R5063	CL2-506Y	65
1SFA619403R5064	CL2-506L	65
1SFA619403R5068	CL2-506C	65
1SFA619403R5071	CL2-507R	65
1SFA619403R5072	CL2-507G	65
1SFA619403R5073	CL2-507Y	65
1SFA619403R5074	CL2-507L	65
1SFA619403R5078	CL2-507C	65
1SFA619403R5131	CL2-513R	65
1SFA619403R5132	CL2-513G	65
1SFA619403R5133	CL2-513Y	65
1SFA619403R5134	CL2-513L	65
1SFA619403R5138	CL2-513C	65
1SFA619403R5151	CL2-515R	65
1SFA619403R5152	CL2-515G	65
1SFA619403R5153	CL2-515Y	65
1SFA619403R5154	CL2-515L	65
1SFA619403R5158	CL2-515C	65
1SFA619403R5201	CL2-520R	66
1SFA619403R5202	CL2-520G	66
1SFA619403R5203	CL2-520Y	66
1SFA619403R5204	CL2-520L	66
1SFA619403R5208	CL2-520C	66
1SFA619403R5231	CL2-523R	66
1SFA619403R5232	CL2-523G	66
1SFA619403R5233	CL2-523Y	66
1SFA619403R5234	CL2-523L	66
1SFA619403R5238	CL2-523C	66
1SFA619403R5421	CL2-542R	66
1SFA619403R5422	CL2-542G	66
1SFA619403R5423	CL2-542Y	66
1SFA619403R5424	CL2-542L	66
1SFA619403R5428	CL2-542C	66
1SFA619403R6231	CL2-623R	66
1SFA619403R6232	CL2-623G	66
1SFA619403R6233	CL2-623Y	66
1SFA619403R6234	CL2-623L	66
1SFA619403R6238	CL2-623C	66
1SFA619500R1041	CE3T-10R-01	62
1SFA619500R1046	CE3T-10B-01	63
1SFA619500R1051	CE3T-10R-02	62
1SFA619500R1071	CE3T-10R-11	62
1SFA619500R1076	CE3T-10B-11	63
1SFA619501R1041	CE3P-10R-01	62
1SFA619501R1051	CE3P-10R-02	62
1SFA619501R1071	CE3P-10R-11	62
1SFA619501R1076	CE3P-10B-11	63
1SFA619502R1041	CE3K1-10R-01	62
1SFA619502R1051	CE3K1-10R-02	62
1SFA619502R1071	CE3K1-10R-11	62
1SFA619502R1076	CE3K1-10B-11	63
1SFA619550R1016	CE4T-10B-10	63
1SFA619550R1026	CE4T-10B-20	63
1SFA619550R1041	CE4T-10R-01	62
1SFA619550R1046	CE4T-10B-01	63
1SFA619550R1051	CE4T-10R-02	62
1SFA619550R1056	CE4T-10B-02	63
1SFA619550R1071	CE4T-10R-11	62
1SFA619550R1076	CE4T-10B-11	63
1SFA619551R1041	CE4P-10R-01	62
1SFA619551R1051	CE4P-10R-02	62
1SFA619551R1071	CE4P-10R-11	62
1SFA619551R1076	CE4P-10B-11	63
1SFA619552R1041	CE4K1-10R-01	62
1SFA619552R1051	CE4K1-10R-02	62
1SFA619552R1071	CE4K1-10R-11	62
1SFA619552R1076	CE4K1-10B-11	63
1SFA619600R6002	CB1-600G	71
1SFA619600R6012	CB1-601G	71
1SFA619600R6022	CB1-602G	71
1SFA619600R6032	CB1-603G	71
1SFA619600R6101	CB1-610R	71
1SFA619600R6103	CB1-610Y	71
1SFA619600R6111	CB1-611R	71
1SFA619600R6113	CB1-611Y	71
1SFA619600R6121	CB1-612R	71
1SFA619600R6123	CB1-612Y	71
1SFA619600R6131	CB1-613R	71
1SFA619600R6133	CB1-613Y	71
1SFA619600R6206	CB1-620B	71
1SFA619600R6216	CB1-621B	71
1SFA619600R6226	CB1-622B	71
1SFA619600R6236	CB1-623B	71
1SFA619600R6306	CB1-630B	71
1SFA619600R6316	CB1-631B	71
1SFA619600R6326	CB1-632B	71
1SFA619600R6336	CB1-633B	71
1SFA619811R1000	CEP1-0	83
1SFA619811R1001	CEP1-1001	90
1SFA619811R1002	CEP1-1002	90
1SFA619811R2001	CEP1-2001	90
1SFA619811R2002	CEP1-2002	90
1SFA619821R1000	CEPY1-0	83
1SFA619821R1001	CEPY1-1001	90
1SFA619821R1002	CEPY1-1002	90
1SFA619821R1006	CEPY1-1006	90
1SFA619821R2001	CEPY1-2001	90
1SFA619821R2002	CEPY1-2002	90
1SFA619920R8053	CA1-8053	72
1SFA619920R8054	CA1-8054	72
1SFA619920R8077	CA1-8077	72
1SFA619920R8078	CA1-8078	72
1SFA619920R8080	CA1-8080	73
1SFA619930R1024	CA6-1024	88
1SFA619930R1026	CA6-1026	88
1SFA619930R1027	CA6-1027	88
SK615502-D	-	44
SK615512-1	-	44
SK615516-1	-	84
SK615546-1	-	98
SK615546-13	-	98
SK615546-15	-	98
SK615546-2	-	98
SK615546-3	-	98
SK615546-4	-	98
SK615546-5	-	98
SK615546-6	-	98
SK615546-7	-	98
SK615546-8	-	98
SK615550-29	-	99
SK615550-44	-	99
SK615550-61	-	99
SK615550-62	-	99
SK615550-80	-	99
SK615550-81	-	99
SK615552-13	-	99
SK615552-14	-	99
SK615552-15	-	99
SK615552-16	-	99
SK615552-17	-	99
SK615552-20	-	99
SK615552-21	-	99
SK615552-22	-	99
SK615552-23	-	99
SK615552-25	-	99
SK615552-27	-	99
SK615552-28	-	99
SK615552-29	-	99
SK615552-30	-	99
SK615552-31	-	99
SK615552-32	-	99
SK615552-40	-	99
SK615562-12	-	99
SK615562-27	-	99
SK615562-82	-	99
SK615562-83	-	99
SK615562-87	-	35
SK615562-88	-	35
SK616016-2	-	44
SK616701-AA	KEM1-0	92
SK616702-AA	KEM2-0	92
SK616703-AA	KEM3-0	92
SK616704-AA	KEM4-0	92
SK616706-AA	KEM6-0	92

Index

Type classification

Type	Order code	Page
-	SK615502-D	44
	SK615512-1	44
	SK615516-1	84
	SK616016-2	44
C2SS1-10B-01	1SFA619200R1046	69
C2SS1-10B-10	1SFA619200R1016	69
C2SS1-10B-11	1SFA619200R1076	69
C2SS1-10B-20	1SFA619200R1026	69
C2SS1-30B-01	1SFA619200R3046	69
C2SS1-30B-10	1SFA619200R3016	69
C2SS1-30B-11	1SFA619200R3076	69
C2SS1-30B-20	1SFA619200R3026	69
C2SS2-10B-01	1SFA619201R1046	69
C2SS2-10B-10	1SFA619201R1016	69
C2SS2-10B-11	1SFA619201R1076	69
C2SS2-10B-20	1SFA619201R1026	69
C2SS2-30B-01	1SFA619201R3046	69
C2SS2-30B-10	1SFA619201R3016	69
C2SS2-30B-11	1SFA619201R3076	69
C2SS2-30B-20	1SFA619201R3026	69
C2SS3-10B-01	1SFA619202R1046	69
C2SS3-10B-10	1SFA619202R1016	69
C2SS3-10B-11	1SFA619202R1076	69
C2SS3-10B-20	1SFA619202R1026	69
C2SS3-30B-10	1SFA619202R3016	69
C2SS3-30B-11	1SFA619202R3076	69
C2SS3-30B-20	1SFA619202R3026	69
C2SS5-30B-10	1SFA619204R3016	69
C2SS5-30B-11	1SFA619204R3076	69
C3SS1-10B-11	1SFA619210R1076	70
C3SS1-10B-20	1SFA619210R1026	70
C3SS1-30B-11	1SFA619210R3076	70
C3SS1-30B-20	1SFA619210R3026	70
C3SS2-10B-11	1SFA619211R1076	70
C3SS2-10B-20	1SFA619211R1026	70
C3SS2-30B-11	1SFA619211R3076	70
C3SS2-30B-20	1SFA619211R3026	70
C3SS3-10B-11	1SFA619212R1076	70
C3SS3-10B-20	1SFA619212R1026	70
C3SS3-30B-11	1SFA619212R3076	70
C3SS3-30B-20	1SFA619212R3026	70
C3SS4-10B-11	1SFA619213R1076	70
C3SS4-10B-20	1SFA619213R1026	70
C3SS5-10B-11	1SFA619214R1076	70
C3SS5-10B-20	1SFA619214R1026	70
C3SS5-30B-11	1SFA619214R3076	70
C3SS5-30B-20	1SFA619214R3026	70
C3SS6-10B-20	1SFA619215R1026	70
C3SS7-10B-11	1SFA619216R1076	70
C3SS7-10B-20	1SFA619216R1026	70
C3SS7-30B-20	1SFA619216R3026	70
C3SS8-10B-20	1SFA619217R1026	70
CA1-8053	1SFA619920R8053	72
CA1-8054	1SFA619920R8054	72
CA1-8077	1SFA619920R8077	72
CA1-8078	1SFA619920R8078	72
CA1-8080	1SFA619920R8080	73
CA6-1024	1SFA619930R1024	88
CA6-1026	1SFA619930R1026	88
CA6-1027	1SFA619930R1027	88
CB1-600G	1SFA619600R6002	71
CB1-601G	1SFA619600R6012	71
CB1-602G	1SFA619600R6022	71
CB1-603G	1SFA619600R6032	71
CB1-610R	1SFA619600R6101	71
CB1-610Y	1SFA619600R6103	71
CB1-611R	1SFA619600R6111	71
CB1-611Y	1SFA619600R6113	71
CB1-612R	1SFA619600R6121	71
CB1-612Y	1SFA619600R6123	71
CB1-613R	1SFA619600R6131	71
CB1-613Y	1SFA619600R6133	71
CB1-620B	1SFA619600R6206	71
CB1-621B	1SFA619600R6216	71
CB1-622B	1SFA619600R6226	71
CB1-623B	1SFA619600R6236	71
CB1-630B	1SFA619600R6306	71
CB1-631B	1SFA619600R6316	71
CB1-632B	1SFA619600R6326	71
CB1-633B	1SFA619600R6336	71
CE3K1-10B-11	1SFA619502R1076	63
CE3K1-10R-01	1SFA619502R1041	62
CE3K1-10R-02	1SFA619502R1051	62
CE3K1-10R-11	1SFA619502R1071	62
CE3P-10B-11	1SFA619501R1076	63
CE3P-10R-01	1SFA619501R1041	62
CE3P-10R-02	1SFA619501R1051	62
CE3P-10R-11	1SFA619501R1071	62
CE3T-10B-01	1SFA619500R1046	63
CE3T-10B-11	1SFA619500R1076	63
CE3T-10R-01	1SFA619500R1041	62
CE3T-10R-02	1SFA619500R1051	62
CE3T-10R-11	1SFA619500R1071	62
CE4K1-10B-11	1SFA619552R1076	63
CE4K1-10R-01	1SFA619552R1041	62
CE4K1-10R-02	1SFA619552R1051	62
CE4K1-10R-11	1SFA619552R1071	62
CE4P-10B-11	1SFA619551R1076	63
CE4P-10R-01	1SFA619551R1041	62
CE4P-10R-02	1SFA619551R1051	62
CE4P-10R-11	1SFA619551R1071	62
CE4T-10B-01	1SFA619550R1046	63
CE4T-10B-02	1SFA619550R1056	63
CE4T-10B-10	1SFA619550R1016	63
CE4T-10B-11	1SFA619550R1076	63
CE4T-10B-20	1SFA619550R1026	63
CE4T-10R-01	1SFA619550R1041	62
CE4T-10R-02	1SFA619550R1051	62
CE4T-10R-11	1SFA619550R1071	62
CEP1-0	1SFA619811R1000	83
CEP1-1001	1SFA619811R1001	90
CEP1-1002	1SFA619811R1002	90
CEP1-2001	1SFA619811R2001	90
CEP1-2002	1SFA619811R2002	90
CEPY1-0	1SFA619821R1000	83
CEPY1-1001	1SFA619821R1001	90
CEPY1-1002	1SFA619821R1002	90
CEPY1-1006	1SFA619821R1006	90
CEPY1-2001	1SFA619821R2001	90
CEPY1-2002	1SFA619821R2002	90
CL-100C	1SFA619402R1008	67
CL-100G	1SFA619402R1002	67
CL-100L	1SFA619402R1004	67
CL-100R	1SFA619402R1001	67
CL-100W	1SFA619402R1005	67
CL-100Y	1SFA619402R1003	67
CL2-501C	1SFA619403R5018	65
CL2-501G	1SFA619403R5012	65
CL2-501L	1SFA619403R5014	65
CL2-501R	1SFA619403R5011	65
CL2-501Y	1SFA619403R5013	65
CL2-502C	1SFA619403R5028	65
CL2-502G	1SFA619403R5022	65
CL2-502L	1SFA619403R5024	65
CL2-502R	1SFA619403R5021	65
CL2-502Y	1SFA619403R5023	65
CL2-506C	1SFA619403R5068	65
CL2-506G	1SFA619403R5062	65
CL2-506L	1SFA619403R5064	65
CL2-506R	1SFA619403R5061	65
CL2-506Y	1SFA619403R5063	65
CL2-507C	1SFA619403R5078	65
CL2-507G	1SFA619403R5072	65
CL2-507L	1SFA619403R5074	65
CL2-507R	1SFA619403R5071	65
CL2-507Y	1SFA619403R5073	65
CL2-513C	1SFA619403R5138	65
CL2-513G	1SFA619403R5132	65
CL2-513L	1SFA619403R5134	65
CL2-513R	1SFA619403R5131	65
CL2-513Y	1SFA619403R5133	65
CL2-515C	1SFA619403R5158	65
CL2-515G	1SFA619403R5152	65
CL2-515L	1SFA619403R5154	65
CL2-515R	1SFA619403R5151	65
CL2-515Y	1SFA619403R5153	65
CL2-520C	1SFA619403R5208	66
CL2-520G	1SFA619403R5202	66
CL2-520L	1SFA619403R5204	66
CL2-520R	1SFA619403R5201	66
CL2-520Y	1SFA619403R5203	66
CL2-523C	1SFA619403R5238	66
CL2-523G	1SFA619403R5232	66
CL2-523L	1SFA619403R5234	66
CL2-523R	1SFA619403R5231	66
CL2-523Y	1SFA619403R5233	66
CL2-542C	1SFA619403R5428	66
CL2-542G	1SFA619403R5422	66
CL2-542L	1SFA619403R5424	66
CL2-542R	1SFA619403R5421	66
CL2-542Y	1SFA619403R5423	66
CL2-623C	1SFA619403R6238	66
CL2-623G	1SFA619403R6232	66
CL2-623L	1SFA619403R6234	66
CL2-623R	1SFA619403R6231	66
CL2-623Y	1SFA619403R6233	66
CP1-10B-01	1SFA619100R1046	53
CP1-10B-02	1SFA619100R1056	53
CP1-10B-10	1SFA619100R1016	53
CP1-10B-11	1SFA619100R1076	53
CP1-10B-20	1SFA619100R1026	53
CP1-10G-10	1SFA619100R1012	53
CP1-10G-11	1SFA619100R1072	53
CP1-10G-20	1SFA619100R1022	53
CP1-10L-10	1SFA619100R1014	53
CP1-10L-11	1SFA619100R1074	53
CP1-10L-20	1SFA619100R1024	53
CP1-10R-01	1SFA619100R1041	53
CP1-10R-02	1SFA619100R1051	53
CP1-10R-10	1SFA619100R1011	53
CP1-10R-11	1SFA619100R1071	53
CP1-10R-20	1SFA619100R1021	53
CP1-10W-10	1SFA619100R1015	53
CP1-10W-11	1SFA619100R1075	53
CP1-10W-20	1SFA619100R1025	53
CP1-10Y-10	1SFA619100R1013	53
CP1-10Y-11	1SFA619100R1073	53
CP1-10Y-20	1SFA619100R1023	53
CP1-11C-10	1SFA619100R1118	57
CP1-11G-10	1SFA619100R1112	57
CP1-11L-10	1SFA619100R1114	57
CP1-11R-01	1SFA619100R1141	57
CP1-11R-10	1SFA619100R1111	57
CP1-11Y-10	1SFA619100R1113	57

Index

Type classification

Type	Order code	Page
CP1-12C-10	1SFA619100R1218	57
CP1-12G-10	1SFA619100R1212	57
CP1-12L-10	1SFA619100R1214	57
CP1-12R-01	1SFA619100R1241	57
CP1-12R-10	1SFA619100R1211	57
CP1-12Y-10	1SFA619100R1213	57
CP1-13C-10	1SFA619100R1318	57
CP1-13G-10	1SFA619100R1312	57
CP1-13L-10	1SFA619100R1314	57
CP1-13R-01	1SFA619100R1341	57
CP1-13R-10	1SFA619100R1311	57
CP1-13Y-10	1SFA619100R1313	57
CP1-30B-01	1SFA619100R3046	53
CP1-30B-02	1SFA619100R3056	53
CP1-30B-10	1SFA619100R3016	53
CP1-30B-11	1SFA619100R3076	53
CP1-30B-20	1SFA619100R3026	53
CP1-30G-10	1SFA619100R3012	53
CP1-30G-11	1SFA619100R3072	53
CP1-30G-20	1SFA619100R3022	53
CP1-30L-10	1SFA619100R3014	53
CP1-30L-11	1SFA619100R3074	53
CP1-30L-20	1SFA619100R3024	53
CP1-30R-01	1SFA619100R3041	53
CP1-30R-02	1SFA619100R3051	53
CP1-30R-10	1SFA619100R3011	53
CP1-30R-11	1SFA619100R3071	53
CP1-30R-20	1SFA619100R3021	53
CP1-30W-10	1SFA619100R3015	53
CP1-30W-11	1SFA619100R3075	53
CP1-30W-20	1SFA619100R3025	53
CP1-30Y-10	1SFA619100R3013	53
CP1-30Y-11	1SFA619100R3073	53
CP1-30Y-20	1SFA619100R3023	53
CP1-31C-10	1SFA619100R3118	57
CP1-31G-10	1SFA619100R3112	57
CP1-31L-01	1SFA619100R3144	57
CP1-31L-10	1SFA619100R3114	57
CP1-31R-01	1SFA619100R3141	57
CP1-31R-10	1SFA619100R3111	57
CP1-31Y-10	1SFA619100R3113	57
CP2-10B-01	1SFA619101R1046	54
CP2-10B-02	1SFA619101R1056	54
CP2-10B-10	1SFA619101R1016	54
CP2-10B-11	1SFA619101R1076	54
CP2-10B-20	1SFA619101R1026	54
CP2-10G-10	1SFA619101R1012	54
CP2-10G-11	1SFA619101R1072	54
CP2-10G-20	1SFA619101R1022	54
CP2-10L-10	1SFA619101R1014	54
CP2-10L-11	1SFA619101R1074	54
CP2-10L-20	1SFA619101R1024	54
CP2-10R-01	1SFA619101R1041	54
CP2-10R-02	1SFA619101R1051	54
CP2-10R-10	1SFA619101R1011	54
CP2-10R-11	1SFA619101R1071	54
CP2-10R-20	1SFA619101R1021	54
CP2-10W-10	1SFA619101R1015	54
CP2-10W-11	1SFA619101R1075	54
CP2-10W-20	1SFA619101R1025	54
CP2-10Y-10	1SFA619101R1013	54
CP2-10Y-11	1SFA619101R1073	54
CP2-10Y-20	1SFA619101R1023	54
CP2-11C-10	1SFA619101R1118	58
CP2-11G-10	1SFA619101R1112	58
CP2-11L-10	1SFA619101R1114	58
CP2-11R-01	1SFA619101R1141	58
CP2-11R-10	1SFA619101R1111	58
CP2-11Y-10	1SFA619101R1113	58
CP2-12C-10	1SFA619101R1218	58
CP2-12G-10	1SFA619101R1212	58
CP2-12L-10	1SFA619101R1214	58
CP2-12R-01	1SFA619101R1241	58
CP2-12R-10	1SFA619101R1211	58
CP2-12Y-10	1SFA619101R1213	58
CP2-13C-10	1SFA619101R1318	58
CP2-13G-10	1SFA619101R1312	58
CP2-13L-10	1SFA619101R1314	58
CP2-13R-01	1SFA619101R1341	58
CP2-13R-10	1SFA619101R1311	58
CP2-13Y-10	1SFA619101R1313	58
CP2-30B-01	1SFA619101R3046	54
CP2-30B-10	1SFA619101R3016	54
CP2-30B-11	1SFA619101R3076	54
CP2-30B-20	1SFA619101R3026	54
CP2-30G-10	1SFA619101R3012	54
CP2-30G-11	1SFA619101R3072	54
CP2-30G-20	1SFA619101R3022	54
CP2-30L-10	1SFA619101R3014	54
CP2-30L-20	1SFA619101R3024	54
CP2-30R-01	1SFA619101R3041	54
CP2-30R-02	1SFA619101R3051	54
CP2-30R-10	1SFA619101R3011	54
CP2-30R-11	1SFA619101R3071	54
CP2-30R-20	1SFA619101R3021	54
CP2-30W-10	1SFA619101R3015	54
CP2-30W-20	1SFA619101R3025	54
CP2-30Y-11	1SFA619101R3073	54
CP2-30Y-20	1SFA619101R3023	54
CP3-10B-01	1SFA619102R1046	55
CP3-10B-02	1SFA619102R1056	55
CP3-10B-10	1SFA619102R1016	55
CP3-10B-11	1SFA619102R1076	55
CP3-10B-20	1SFA619102R1026	55
CP3-10G-10	1SFA619102R1012	55
CP3-10G-11	1SFA619102R1072	55
CP3-10G-20	1SFA619102R1022	55
CP3-10L-10	1SFA619102R1014	55
CP3-10L-11	1SFA619102R1074	55
CP3-10L-20	1SFA619102R1024	55
CP3-10R-01	1SFA619102R1041	55
CP3-10R-02	1SFA619102R1051	55
CP3-10R-10	1SFA619102R1011	55
CP3-10R-11	1SFA619102R1071	55
CP3-10R-20	1SFA619102R1021	55
CP3-10W-10	1SFA619102R1015	55
CP3-10W-11	1SFA619102R1075	55
CP3-10W-20	1SFA619102R1025	55
CP3-10Y-10	1SFA619102R1013	55
CP3-10Y-11	1SFA619102R1073	55
CP3-10Y-20	1SFA619102R1023	55
CP3-11C-10	1SFA619102R1118	59
CP3-11G-10	1SFA619102R1112	59
CP3-11L-10	1SFA619102R1114	59
CP3-11R-01	1SFA619102R1141	59
CP3-11R-10	1SFA619102R1111	59
CP3-11Y-10	1SFA619102R1113	59
CP3-12C-10	1SFA619102R1218	59
CP3-12G-10	1SFA619102R1212	59
CP3-12L-10	1SFA619102R1214	59
CP3-12R-01	1SFA619102R1241	59
CP3-12R-10	1SFA619102R1211	59
CP3-12Y-10	1SFA619102R1213	59
CP3-13C-10	1SFA619102R1318	59
CP3-13G-10	1SFA619102R1312	59
CP3-13L-10	1SFA619102R1314	59
CP3-13R-01	1SFA619102R1341	59
CP3-13R-10	1SFA619102R1311	59
CP3-13Y-10	1SFA619102R1313	59
CP3-30B-01	1SFA619102R3046	55
CP3-30B-10	1SFA619102R3016	55
CP3-30B-11	1SFA619102R3076	55
CP3-30B-20	1SFA619102R3026	55
CP3-30G-10	1SFA619102R3012	55
CP3-30G-11	1SFA619102R3072	55
CP3-30G-20	1SFA619102R3022	55
CP3-30L-20	1SFA619102R3024	55
CP3-30R-01	1SFA619102R3041	55
CP3-30R-11	1SFA619102R3071	55
CP3-30R-20	1SFA619102R3021	55
CP3-30W-10	1SFA619102R3015	55
CP3-30W-11	1SFA619102R3075	55
CP3-30W-20	1SFA619102R3025	55
CP3-30Y-20	1SFA619102R3023	55
CP4-10B-02	1SFA619103R1056	56
CP4-10B-10	1SFA619103R1016	56
CP4-10B-11	1SFA619103R1076	56
CP4-10B-20	1SFA619103R1026	56
CP4-10G-10	1SFA619103R1012	56
CP4-10G-11	1SFA619103R1072	56
CP4-10G-20	1SFA619103R1022	56
CP4-10L-10	1SFA619103R1014	56
CP4-10L-11	1SFA619103R1074	56
CP4-10R-01	1SFA619103R1041	56
CP4-10R-02	1SFA619103R1051	56
CP4-10R-10	1SFA619103R1011	56
CP4-10R-11	1SFA619103R1071	56
CP4-10R-20	1SFA619103R1021	56
CP4-10W-10	1SFA619103R1015	56
CP4-10W-11	1SFA619103R1075	56
CP4-10Y-10	1SFA619103R1013	56
CP4-10Y-11	1SFA619103R1073	56
CP4-11C-10	1SFA619103R1118	60
CP4-11G-10	1SFA619103R1112	60
CP4-11L-10	1SFA619103R1114	60
CP4-11R-01	1SFA619103R1141	60
CP4-11R-10	1SFA619103R1111	60
CP4-11Y-10	1SFA619103R1113	60
CP4-12C-10	1SFA619103R1218	60
CP4-12G-10	1SFA619103R1212	60
CP4-12L-10	1SFA619103R1214	60
CP4-12R-01	1SFA619103R1241	60
CP4-12R-10	1SFA619103R1211	60
CP4-12Y-10	1SFA619103R1213	60
CP4-13C-10	1SFA619103R1318	60
CP4-13G-10	1SFA619103R1312	60
CP4-13L-10	1SFA619103R1314	60
CP4-13R-01	1SFA619103R1341	60
CP4-13R-10	1SFA619103R1311	60
CP4-13Y-10	1SFA619103R1313	60
CP4-30G-10	1SFA619103R3012	56
CP4-30G-20	1SFA619103R3022	56
CP4-30R-11	1SFA619103R3071	56
CP6-10B-02	1SFA619105R1056	64
CP6-10B-11	1SFA619105R1076	64
CP6-10B-20	1SFA619105R1026	64
CP6-10G-11	1SFA619105R1072	64
CP6-10G-20	1SFA619105R1022	64
CP6-10R-02	1SFA619105R1051	64
CP6-10R-11	1SFA619105R1071	64
CP6-10R-20	1SFA619105R1021	64
CPM3-10B-11	1SFA619126R1076	61
CPM3-10G-11	1SFA619126R1072	61
CPM3-10L-11	1SFA619126R1074	61

Index

Type classification

Type	Order code	Page
CPM3-10R-11	1SFA619126R1071	61
CPM3-10Y-11	1SFA619126R1073	61
-	1SFA616915R1005	98
-	1SFA616915R1038	98
-	1SFA616915R6005	98
-	SK615546-1	98
-	SK615546-13	98
-	SK615546-15	98
-	SK615546-2	98
-	SK615546-3	98
-	SK615546-4	98
-	SK615546-5	98
-	SK615546-6	98
-	SK615546-7	98
-	SK615546-8	98
-	SK615550-29	99
-	SK615550-44	99
-	SK615550-61	99
-	SK615550-62	99
-	SK615550-80	99
-	SK615550-81	99
-	SK615552-13	99
-	SK615552-14	99
-	SK615552-15	99
-	SK615552-16	99
-	SK615552-17	99
-	SK615552-20	99
-	SK615552-21	99
-	SK615552-22	99
-	SK615552-23	99
-	SK615552-25	99
-	SK615552-27	99
-	SK615552-28	99
-	SK615552-29	99
-	SK615552-30	99
-	SK615552-31	99
-	SK615552-32	99
-	SK615552-40	99
-	SK615562-12	99
-	SK615562-27	99
-	SK615562-82	99
-	SK615562-83	99
-	SK615562-87	35
-	SK615562-88	35
KA1-8005	1SFA616920R8005	23
KA1-8010	1SFA616920R8010	44
KA1-8020	1SFA616920R8020	44,
KA1-8021	1SFA616920R8021	44
KA1-8022	1SFA616920R8022	44
KA1-8023	1SFA616920R8023	44
KA1-8024	1SFA616920R8024	44
KA1-8027	1SFA616920R8027	44
KA1-8028	1SFA616920R8028	44
KA1-8029	1SFA616920R8029	44
KA1-8045	1SFA616920R8045	84
KA1-8046	1SFA616920R8046	36
KA1-8047	1SFA616920R8047	36
KA1-8072	1SFA616920R8072	72
KA1-8073	1SFA616920R8073	44
KA1-8080	1SFA616920R8080	44
KA1-8120	1SFA616920R8120	97
KA1-8121	1SFA616920R8121	97
KA2-2011	1SFA616921R2011	68
KA2-2012	1SFA616921R2012	68
KA2-2013	1SFA616921R2013	68
KA2-2014	1SFA616921R2014	68
KA2-2015	1SFA616921R2015	68
KA2-2021	1SFA616921R2021	68
KA2-2022	1SFA616921R2022	68
KA2-2023	1SFA616921R2023	68
KA2-2024	1SFA616921R2024	68
KA2-2025	1SFA616921R2025	68
KA2-2031	1SFA616921R2031	68
KA2-2032	1SFA616921R2032	68
KA2-2033	1SFA616921R2033	68
KA2-2034	1SFA616921R2034	68
KA2-2035	1SFA616921R2035	68
KA2-2041	1SFA616921R2041	68
KA2-2042	1SFA616921R2042	68
KA2-2043	1SFA616921R2043	68
KA2-2044	1SFA616921R2044	68
KA2-2045	1SFA616921R2045	68
KA2-2051	1SFA616921R2051	68
KA2-2052	1SFA616921R2052	68
KA2-2053	1SFA616921R2053	68
KA2-2054	1SFA616921R2054	68
KA2-2055	1SFA616921R2055	68
KA2-2131	1SFA616921R2131	68
KA2-2132	1SFA616921R2132	68
KA2-2133	1SFA616921R2133	68
KA2-2134	1SFA616921R2134	68
KA2-2135	1SFA616921R2135	68
KA2-2141	1SFA616921R2141	68
KA2-2142	1SFA616921R2142	68
KA2-2143	1SFA616921R2143	68
KA2-2144	1SFA616921R2144	68
KA2-2145	1SFA616921R2145	68
KA2-2221	1SFA616921R2221	68
KA2-2222	1SFA616921R2222	68
KA2-2223	1SFA616921R2223	68
KA2-2224	1SFA616921R2224	68
KA2-2225	1SFA616921R2225	68
KA2-2231	1SFA616921R2231	68
KA2-2232	1SFA616921R2232	68
KA2-2233	1SFA616921R2233	68
KA2-2234	1SFA616921R2234	68
KA2-2235	1SFA616921R2235	68
KA3-1018	1SFA616922R1018	106
KA3-1028	1SFA616922R1028	106
KA3-1118	1SFA616922R1118	106
KA3-1148	1SFA616922R1148	106
KA4-1021	1SFA616924R1021	104
KA4-1022	1SFA616924R1022	104
KA4-1023	1SFA616924R1023	104
KA4-1024	1SFA616924R1024	104
KA4-1025	1SFA616924R1025	104
KA4-1028	1SFA616923R1028	104
KA4-1118	1SFA616923R1118	104
KA4-1148	1SFA616923R1148	104
KA70-1001	1SFA616077R1001	105
KA70-1002	1SFA616077R1002	105
KA70-1011	1SFA616077R1011	105
KA70-1012	1SFA616077R1012	105
KA70-1013	1SFA616077R1013	105
KA70-1021	1SFA616077R1021	105
KA70-1022	1SFA616077R1022	105
KA70-1023	1SFA616077R1023	105
KA70-1031	1SFA616077R1031	105
KA70-1032	1SFA616077R1032	105
KA70-1033	1SFA616077R1033	105
KA70-1034	1SFA616077R1034	105
KASB-1000	1SFA616087R1000	106
KB70-1201	1SFA616071R1201	104
KB70-3001	1SFA616071R3001	104
KB70-3101	1SFA616071R3101	104
KEM1-0	SK616701-AA	92
KEM2-0	SK616702-AA	92
KEM3-0	SK616703-AA	92
KEM4-0	SK616704-AA	92
KEM6-0	SK616706-AA	92
KL70-305C	1SFA616070R3058	103
KL70-305G	1SFA616070R3052	103
KL70-305L	1SFA616070R3054	103
KL70-305R	1SFA616070R3051	103
KL70-305Y	1SFA616070R3053	103
KL70-306C	1SFA616070R3068	103
KL70-306G	1SFA616070R3062	103
KL70-306L	1SFA616070R3064	103
KL70-306R	1SFA616070R3061	103
KL70-306Y	1SFA616070R3063	103
KL70-307C	1SFA616070R3078	103
KL70-307G	1SFA616070R3072	103
KL70-307L	1SFA616070R3074	103
KL70-307R	1SFA616070R3071	103
KL70-307Y	1SFA616070R3073	103
KL70-342C	1SFA616070R3428	103
KL70-342G	1SFA616070R3422	103
KL70-342L	1SFA616070R3424	103
KL70-342R	1SFA616070R3421	103
KL70-342Y	1SFA616070R3423	103
KL70-352C	1SFA616070R3528	103
KL70-352G	1SFA616070R3522	103
KL70-352L	1SFA616070R3524	103
KL70-352R	1SFA616070R3521	103
KL70-352Y	1SFA616070R3523	103
KL70-401C	1SFA616070R4018	103
KL70-401G	1SFA616070R4012	103
KL70-401L	1SFA616070R4014	103
KL70-401R	1SFA616070R4011	103
KL70-401Y	1SFA616070R4013	103
KP6-40B	1SFA616105R4006	23
KP6-40G	1SFA616105R4002	23
KP6-40R	1SFA616105R4001	23
KPR1-100B	1SFA616160R1006	36
KPR1-100G	1SFA616160R1002	36
KPR1-100L	1SFA616160R1004	36
KPR1-100R	1SFA616160R1001	36
KPR1-100W	1SFA616160R1005	36
KPR1-100Y	1SFA616160R1003	36
KPR1-101L	1SFA616160R1014	36
KPR1-101W	1SFA616160R1015	36
KPR1-102G	1SFA616160R1022	36
KPR1-102W	1SFA616160R1025	36
KPR1-103G	1SFA616160R1032	36
KPR1-103W	1SFA616160R1035	36
KPR1-104B	1SFA616160R1046	36
KPR2-100B	1SFA616161R1006	36
KPR2-100L	1SFA616161R1005	36
KPR2-100R	1SFA616161R1001	36
KPR2-105B	1SFA616161R1056	36
KPR2-105R	1SFA616161R1051	36
KPR3-100B	1SFA616162R1006	37
KPR3-100G	1SFA616162R1002	37
KPR3-100L	1SFA616162R1004	37
KPR3-100R	1SFA616162R1001	37
KPR3-100W	1SFA616162R1005	37
KPR3-100Y	1SFA616162R1003	37
KPR3-101L	1SFA616162R1014	37
KPR3-101W	1SFA616162R1015	37
KPR3-102W	1SFA616162R1025	37
KPR3-103G	1SFA616162R1032	37
KPR3-104B	1SFA616162R1046	37
KPR3-106G	1SFA616162R1062	37
KPR4-100B	1SFA616163R1006	37

Index

Type classification

Type	Order code	Page
KPR4-100R	1SFA616163R1001	37
KPR4-100W	1SFA616163R1005	37
KPR4-105B	1SFA616163R1056	37
KPR4-105R	1SFA616163R1051	37
KS70-1104	1SFA616073R1104	104
KS70-1204	1SFA616073R1204	104
KS70-2002	1SFA616073R2002	104
KS70-2004	1SFA616073R2004	104
KS70-3004	1SFA616073R3004	104
KSB-113C	1SFA616080R1138	106
KSB-113G	1SFA616080R1132	106
KSB-113L	1SFA616080R1134	106
KSB-113R	1SFA616080R1131	106
KSB-113Y	1SFA616080R1133	106
KSB-115G	1SFA616080R1152	106
KSB-115R	1SFA616080R1151	106
KSB-115Y	1SFA616080R1153	106
KSB-123C	1SFA616080R1238	106
KSB-123G	1SFA616080R1232	106
KSB-123L	1SFA616080R1234	106
KSB-123R	1SFA616080R1231	106
KSB-123Y	1SFA616080R1233	106
KSB-203C	1SFA616080R2038	106
KSB-203G	1SFA616080R2032	106
KSB-203L	1SFA616080R2034	106
KSB-203R	1SFA616080R2031	106
KSB-203Y	1SFA616080R2033	106
KSB-305G	1SFA616080R3052	106
KSB-305R	1SFA616080R3051	106
KSB-305Y	1SFA616080R3053	106
KSB-306G	1SFA616080R3062	106
KSB-306R	1SFA616080R3061	106
KSB-306Y	1SFA616080R3063	106
KSB-307G	1SFA616080R3072	106
KSB-307R	1SFA616080R3071	106
KSB-307Y	1SFA616080R3073	106
KSB-401C	1SFA616080R4018	106
KSB-401G	1SFA616080R4012	106
KSB-401L	1SFA616080R4014	106
KSB-401R	1SFA616080R4011	106
KSB-401Y	1SFA616080R4013	106
KT70-1001	1SFA616075R1001	105
KT70-1002	1SFA616075R1002	105
KTC1-1019	1SFA616901R1019	100
KTC1-1020	1SFA616901R1020	100
KTC1-1025	1SFA616901R1025	100
KTC1-1031	1SFA616901R1031	100
KTC1-1039	1SFA616901R1039	100
KTC1-9000	1SFA616901R9000	100
KTC1-9002	1SFA616901R9002	100
KTC1-9003	1SFA616901R9003	100
KTC1-9004	1SFA616901R9004	100
KTC1-9005	1SFA616901R9005	100
KTC1-9006	1SFA616901R9006	100
KTC1-9009	1SFA616901R9009	100
KTC1-9016	1SFA616901R9016	100
KTC1-9020	1SFA616901R9020	100
KTC1-9026	1SFA616901R9026	100
KTC1-9028	1SFA616901R9028	100
KTC2-1020	1SFA616902R1020	100
KTC2-1025	1SFA616902R1025	100
KTC2-1031	1SFA616902R1031	100
KTC2-9000	1SFA616902R9000	100
KTC2-9002	1SFA616902R9002	100
KTC2-9003	1SFA616902R9003	100
KTC2-9005	1SFA616902R9005	100
KTC2-9006	1SFA616902R9006	100
KTC2-9015	1SFA616902R9015	100
KTC2-9016	1SFA616902R9016	100
KTC2-9028	1SFA616902R9028	100
KTC3-1019	1SFA616903R1019	100
KTC3-1020	1SFA616903R1020	100
KTC3-1039	1SFA616903R1039	100
KTC3-9000	1SFA616903R9000	100
KTC3-9002	1SFA616903R9002	100
KTC4-1047	1SFA616904R1047	100
KTC4-9004	1SFA616904R9004	100
KTC5-1040	1SFA616905R1040	100
KTC5-1047	1SFA616905R1047	100
KTC5-9004	1SFA616905R9004	100
KTC6-1039	1SFA616906R1039	100
KTC6-1042	1SFA616906R1042	100
KTC6-9002	1SFA616906R9002	100
KTC8-1039	1SFA616908R1039	100
KTC8-9002	1SFA616908R9002	100
KTC8-9003	1SFA616908R9003	100
KTC8-9004	1SFA616908R9004	100
KTC8-9005	1SFA616908R9005	100
KTC8-9011	1SFA616908R9011	100
KTC8-9012	1SFA616908R9012	100
KTC8-9015	1SFA616908R9015	100
KTC8-9016	1SFA616908R9016	100
KTC8-9018	1SFA616908R9018	100
KTC8-9026	1SFA616908R9026	100
M2SS1-10B	1SFA611200R1006	24
M2SS1-10R	1SFA611200R1001	24
M2SS1-10U	1SFA611200R1007	24
M2SS1-11C	1SFA611200R1108	29
M2SS1-11G	1SFA611200R1102	29
M2SS1-11L	1SFA611200R1104	29
M2SS1-11R	1SFA611200R1101	29
M2SS1-11Y	1SFA611200R1103	29
M2SS1-20B	1SFA611200R2006	24
M2SS1-20R	1SFA611200R2001	24
M2SS1-20U	1SFA611200R2007	24
M2SS1-21C	1SFA611200R2108	29
M2SS1-21G	1SFA611200R2102	29
M2SS1-21L	1SFA611200R2104	29
M2SS1-21R	1SFA611200R2101	29
M2SS1-21Y	1SFA611200R2103	29
M2SS1-30B	1SFA611200R3006	24
M2SS1-30R	1SFA611200R3001	24
M2SS1-31C	1SFA611200R3108	29
M2SS1-31G	1SFA611200R3102	29
M2SS1-31R	1SFA611200R3101	29
M2SS1-31Y	1SFA611200R3103	29
M2SS2-10B	1SFA611201R1006	24
M2SS2-10R	1SFA611201R1001	24
M2SS2-10U	1SFA611201R1007	24
M2SS2-11C	1SFA611201R1108	29
M2SS2-11G	1SFA611201R1102	29
M2SS2-11L	1SFA611201R1104	29
M2SS2-11R	1SFA611201R1101	29
M2SS2-11Y	1SFA611201R1103	29
M2SS2-20B	1SFA611201R2006	24
M2SS2-20R	1SFA611201R2001	24
M2SS2-20U	1SFA611201R2007	24
M2SS2-21C	1SFA611201R2108	29
M2SS2-21G	1SFA611201R2102	29
M2SS2-21L	1SFA611201R2104	29
M2SS2-21R	1SFA611201R2101	29
M2SS2-21Y	1SFA611201R2103	29
M2SS2-30B	1SFA611201R3006	24
M2SS2-30R	1SFA611201R3001	24
M2SS2-30U	1SFA611201R3007	24
M2SS2-31C	1SFA611201R3108	29
M2SS2-31G	1SFA611201R3102	29
M2SS2-31L	1SFA611201R3104	29
M2SS2-31R	1SFA611201R3101	29
M2SS2-31Y	1SFA611201R3103	29
M2SS3-10B	1SFA611202R1006	24
M2SS3-10R	1SFA611202R1001	24
M2SS3-10U	1SFA611202R1007	24
M2SS3-11C	1SFA611202R1108	29
M2SS3-11G	1SFA611202R1102	29
M2SS3-11L	1SFA611202R1104	29
M2SS3-11R	1SFA611202R1101	29
M2SS3-11Y	1SFA611202R1103	29
M2SS3-20B	1SFA611202R2006	24
M2SS3-20R	1SFA611202R2001	24
M2SS3-20U	1SFA611202R2007	24
M2SS3-21G	1SFA611202R2102	29
M2SS3-21R	1SFA611202R2101	29
M2SS3-30B	1SFA611202R3006	24
M2SS3-30R	1SFA611202R3001	24
M2SS3-31C	1SFA611202R3108	29
M2SS3-31G	1SFA611202R3102	29
M2SS3-31R	1SFA611202R3101	29
M2SS3-31Y	1SFA611202R3103	29
M2SS4-10B	1SFA611203R1006	25
M2SS4-10R	1SFA611203R1001	25
M2SS4-10U	1SFA611203R1007	25
M2SS4-11C	1SFA611203R1108	30
M2SS4-11G	1SFA611203R1102	30
M2SS4-11L	1SFA611203R1104	30
M2SS4-11R	1SFA611203R1101	30
M2SS4-11Y	1SFA611203R1103	30
M2SS4-20B	1SFA611203R2006	25
M2SS4-20R	1SFA611203R2001	25
M2SS4-20U	1SFA611203R2007	25
M2SS4-21C	1SFA611203R2108	30
M2SS4-21G	1SFA611203R2102	30
M2SS4-21L	1SFA611203R2104	30
M2SS4-21R	1SFA611203R2101	30
M2SS4-21Y	1SFA611203R2103	30
M2SS4-30B	1SFA611203R3006	25
M2SS4-31C	1SFA611203R3108	30
M2SS4-31G	1SFA611203R3102	30
M2SS5-10B	1SFA611204R1006	25
M2SS5-10R	1SFA611204R1001	25
M2SS5-10U	1SFA611204R1007	25
M2SS5-11C	1SFA611204R1108	30
M2SS5-11G	1SFA611204R1102	30
M2SS5-11L	1SFA611204R1104	30
M2SS5-11R	1SFA611204R1101	30
M2SS5-11Y	1SFA611204R1103	30
M2SS5-20B	1SFA611204R2006	25
M2SS5-20R	1SFA611204R2001	25
M2SS5-20U	1SFA611204R2007	25
M2SS5-21C	1SFA611204R2108	30
M2SS5-21G	1SFA611204R2102	30
M2SS5-21L	1SFA611204R2104	30
M2SS5-21R	1SFA611204R2101	30
M2SS5-21Y	1SFA611204R2103	30
M2SS5-30B	1SFA611204R3006	25
M2SS5-30R	1SFA611204R3001	25
M2SS5-31C	1SFA611204R3108	30
M2SS5-31G	1SFA611204R3102	30
M2SS5-31L	1SFA611204R3104	30
M2SS5-31R	1SFA611204R3101	30
M2SS5-31Y	1SFA611204R3103	30
M2SS6-10B	1SFA611205R1006	25
M2SS6-10R	1SFA611205R1001	25
M2SS6-10U	1SFA611205R1007	25

Index

Type classification

Type	Order code	Page
M2SS6-11C	1SFA611205R1108	30
M2SS6-11G	1SFA611205R1102	30
M2SS6-11L	1SFA611205R1104	30
M2SS6-11R	1SFA611205R1101	30
M2SS6-11Y	1SFA611205R1103	30
M2SS6-20B	1SFA611205R2006	25
M2SS6-20U	1SFA611205R2007	25
M2SS6-30B	1SFA611205R3006	25
M2SS6-31C	1SFA611205R3108	30
M2SSK1-101	1SFA611280R1001	33
M2SSK1-102	1SFA611280R1002	33
M2SSK1-103	1SFA611280R1003	33
M2SSK1-104	1SFA611280R1004	33
M2SSK1-201	1SFA611280R2001	33
M2SSK1-301	1SFA611280R3001	33
M2SSK1-302	1SFA611280R3002	33
M2SSK1-303	1SFA611280R3003	33
M2SSK1-304	1SFA611280R3004	33
M2SSK2-101	1SFA611281R1001	33
M2SSK2-102	1SFA611281R1002	33
M2SSK2-103	1SFA611281R1003	33
M2SSK2-104	1SFA611281R1004	33
M2SSK2-201	1SFA611281R2001	33
M2SSK2-203	1SFA611281R2003	33
M2SSK2-301	1SFA611281R3001	33
M2SSK2-302	1SFA611281R3002	33
M2SSK2-303	1SFA611281R3003	33
M2SSK2-304	1SFA611281R3004	33
M2SSK3-101	1SFA611282R1001	33
M2SSK3-102	1SFA611282R1002	33
M2SSK3-103	1SFA611282R1003	33
M2SSK3-104	1SFA611282R1004	33
M2SSK3-301	1SFA611282R3001	33
M2SSK3-302	1SFA611282R3002	33
M2SSK3-303	1SFA611282R3003	33
M2SSK3-304	1SFA611282R3004	33
M2SSK4-101	1SFA611289R1001	33
M2SSV1-10B	1SFA611220R1006	89
M2SSV2-10B	1SFA611221R1006	89
M2SSV3-10B	1SFA611222R1006	89
M3SS1-10B	1SFA611210R1006	26
M3SS1-10R	1SFA611210R1001	26
M3SS1-10U	1SFA611210R1007	26
M3SS1-11C	1SFA611210R1108	31
M3SS1-11G	1SFA611210R1102	31
M3SS1-11L	1SFA611210R1104	31
M3SS1-11R	1SFA611210R1101	31
M3SS1-11Y	1SFA611210R1103	31
M3SS1-20B	1SFA611210R2006	26
M3SS1-20R	1SFA611210R2001	26
M3SS1-20U	1SFA611210R2007	26
M3SS1-21C	1SFA611210R2108	31
M3SS1-21G	1SFA611210R2102	31
M3SS1-21L	1SFA611210R2104	31
M3SS1-21R	1SFA611210R2101	31
M3SS1-21Y	1SFA611210R2103	31
M3SS1-30B	1SFA611210R3006	26
M3SS1-30R	1SFA611210R3001	26
M3SS1-30U	1SFA611210R3007	26
M3SS1-31C	1SFA611210R3108	31
M3SS1-31G	1SFA611210R3102	31
M3SS1-31L	1SFA611210R3104	31
M3SS1-31R	1SFA611210R3101	31
M3SS1-31Y	1SFA611210R3103	31
M3SS2-10B	1SFA611211R1006	26
M3SS2-10R	1SFA611211R1001	26
M3SS2-10U	1SFA611211R1007	26
M3SS2-11C	1SFA611211R1108	31
M3SS2-11G	1SFA611211R1102	31
M3SS2-11L	1SFA611211R1104	31
M3SS2-11R	1SFA611211R1101	31
M3SS2-11Y	1SFA611211R1103	31
M3SS2-20B	1SFA611211R2006	26
M3SS2-20R	1SFA611211R2001	26
M3SS2-20U	1SFA611211R2007	26
M3SS2-21C	1SFA611211R2108	31
M3SS2-21G	1SFA611211R2102	31
M3SS2-21L	1SFA611211R2104	31
M3SS2-21R	1SFA611211R2101	31
M3SS2-21Y	1SFA611211R2103	31
M3SS2-30B	1SFA611211R3006	26
M3SS2-30R	1SFA611211R3001	26
M3SS2-31C	1SFA611211R3108	31
M3SS2-31G	1SFA611211R3102	31
M3SS2-31L	1SFA611211R3104	31
M3SS2-31R	1SFA611211R3101	31
M3SS3-10B	1SFA611212R1006	26
M3SS3-10R	1SFA611212R1001	26
M3SS3-10U	1SFA611212R1007	26
M3SS3-11C	1SFA611212R1108	31
M3SS3-11G	1SFA611212R1102	31
M3SS3-11L	1SFA611212R1104	31
M3SS3-11R	1SFA611212R1101	31
M3SS3-11Y	1SFA611212R1103	31
M3SS3-20B	1SFA611212R2006	26
M3SS3-20U	1SFA611212R2007	26
M3SS3-21C	1SFA611212R2108	31
M3SS3-21G	1SFA611212R2102	31
M3SS3-21R	1SFA611212R2101	31
M3SS3-30B	1SFA611212R3006	26
M3SS3-31C	1SFA611212R3108	31
M3SS4-10B	1SFA611213R1006	27
M3SS4-10R	1SFA611213R1001	27
M3SS4-10U	1SFA611213R1007	27
M3SS4-11C	1SFA611213R1108	32
M3SS4-11G	1SFA611213R1102	32
M3SS4-11L	1SFA611213R1104	32
M3SS4-11R	1SFA611213R1101	32
M3SS4-11Y	1SFA611213R1103	32
M3SS4-20B	1SFA611213R2006	27
M3SS4-20R	1SFA611213R2001	27
M3SS4-20U	1SFA611213R2007	27
M3SS4-21C	1SFA611213R2108	32
M3SS4-21G	1SFA611213R2102	32
M3SS4-21L	1SFA611213R2104	32
M3SS4-21R	1SFA611213R2101	32
M3SS4-21Y	1SFA611213R2103	32
M3SS4-30B	1SFA611213R3006	27
M3SS4-31C	1SFA611213R3108	32
M3SS4-31R	1SFA611213R3101	32
M3SS5-10B	1SFA611214R1006	27
M3SS5-10R	1SFA611214R1001	27
M3SS5-10U	1SFA611214R1007	27
M3SS5-11C	1SFA611214R1108	32
M3SS5-11G	1SFA611214R1102	32
M3SS5-11L	1SFA611214R1104	32
M3SS5-11R	1SFA611214R1101	32
M3SS5-11Y	1SFA611214R1103	32
M3SS5-20B	1SFA611214R2006	27
M3SS5-20U	1SFA611214R2007	27
M3SS5-21C	1SFA611214R2108	32
M3SS5-21G	1SFA611214R2102	32
M3SS5-21L	1SFA611214R2104	32
M3SS5-21R	1SFA611214R2101	32
M3SS5-21Y	1SFA611214R2103	32
M3SS5-30B	1SFA611214R3006	27
M3SS5-30R	1SFA611214R3001	27
M3SS5-31C	1SFA611214R3108	32
M3SS5-31G	1SFA611214R3102	32
M3SS6-10B	1SFA611215R1006	27
M3SS6-10R	1SFA611215R1001	27
M3SS6-10U	1SFA611215R1007	27
M3SS6-11C	1SFA611215R1108	32
M3SS6-11G	1SFA611215R1102	32
M3SS6-11L	1SFA611215R1104	32
M3SS6-11R	1SFA611215R1101	32
M3SS6-11Y	1SFA611215R1103	32
M3SS6-20B	1SFA611215R2006	27
M3SS6-21G	1SFA611215R2102	32
M3SS6-21Y	1SFA611215R2103	32
M3SS6-30B	1SFA611215R3006	27
M3SS6-31L	1SFA611215R3104	32
M3SS7-10B	1SFA611216R1006	26
M3SS7-10R	1SFA611216R1001	26
M3SS7-10U	1SFA611216R1007	26
M3SS7-11C	1SFA611216R1108	31
M3SS7-11G	1SFA611216R1102	31
M3SS7-11L	1SFA611216R1104	31
M3SS7-11R	1SFA611216R1101	31
M3SS7-11Y	1SFA611216R1103	31
M3SS7-20B	1SFA611216R2006	26
M3SS7-20R	1SFA611216R2001	26
M3SS7-21C	1SFA611216R2108	31
M3SS7-21G	1SFA611216R2102	31
M3SS7-21L	1SFA611216R2104	31
M3SS7-30B	1SFA611216R3006	26
M3SS7-31C	1SFA611216R3108	31
M3SS7-31G	1SFA611216R3102	31
M3SS8-10B	1SFA611217R1006	27
M3SS8-10R	1SFA611217R1001	27
M3SS8-10U	1SFA611217R1007	27
M3SS8-11C	1SFA611217R1108	32
M3SS8-11G	1SFA611217R1102	32
M3SS8-11L	1SFA611217R1104	32
M3SS8-11R	1SFA611217R1101	32
M3SS8-11Y	1SFA611217R1103	32
M3SS8-20B	1SFA611217R2006	27
M3SS8-21G	1SFA611217R2102	32
M3SS8-21R	1SFA611217R2101	32
M3SS8-30B	1SFA611217R3006	27
M3SS8-31G	1SFA611217R3102	32
M3SS8-31R	1SFA611217R3101	32
M3SSC1-10B	1SFA611250R1006	28
M3SSC1-30B	1SFA611250R3006	28
M3SSC2-10B	1SFA611251R1006	28
M3SSC2-30B	1SFA611251R3006	28
M3SSC3-10B	1SFA611252R1006	28
M3SSC3-30B	1SFA611252R3006	28
M3SSC7-10B	1SFA611256R1006	28
M3SSC7-30B	1SFA611256R3006	28
M3SSK1-101	1SFA611283R1001	34
M3SSK1-102	1SFA611283R1002	34
M3SSK1-103	1SFA611283R1003	34
M3SSK1-104	1SFA611283R1004	34
M3SSK1-201	1SFA611283R2001	34
M3SSK1-301	1SFA611283R3001	34
M3SSK1-302	1SFA611283R3002	34
M3SSK1-303	1SFA611283R3003	34
M3SSK1-304	1SFA611283R3004	34
M3SSK2-101	1SFA611284R1001	34
M3SSK2-102	1SFA611284R1002	34
M3SSK2-103	1SFA611284R1003	34
M3SSK2-104	1SFA611284R1004	34
M3SSK2-301	1SFA611284R3001	34

Index

Type classification

Type	Order code	Page
M3SSK3-101	1SFA611285R1001	34
M3SSK3-102	1SFA611285R1002	34
M3SSK3-103	1SFA611285R1003	34
M3SSK3-104	1SFA611285R1004	34
M3SSK3-301	1SFA611285R3001	34
M3SSK3-302	1SFA611285R3002	34
M3SSK3-303	1SFA611285R3003	34
M3SSK4-101	1SFA611286R1001	34
M3SSK4-102	1SFA611286R1002	34
M3SSK4-301	1SFA611286R3001	34
M3SSK4-302	1SFA611286R3002	34
M3SSK5-101	1SFA611287R1001	34
M3SSK5-103	1SFA611287R1003	34
M3SSK5-301	1SFA611287R3001	34
M3SSK6-101	1SFA611288R1001	34
M3SSV1-10B	1SFA611230R1006	89
M3SSV2-10B	1SFA611231R1006	89
M3SSV3-10B	1SFA611232R1006	89
MA16-1000	1SFA611940R1000	99
MA16-1001	1SFA611940R1001	99
MA1-8001	1SFA611920R8001	45
MA1-8002	1SFA611920R8002	44
MA1-8015	1SFA611920R8015	45
MA1-8019	1SFA611920R8019	45
MA1-8052	1SFA611920R8052	44
MA1-8053	1SFA611920R8053	44
MA1-8074	1SFA611920R8074	44
MA1-8126	1SFA611920R8126	44
MA1-8128	1SFA611920R8128	44
MA1-8129	1SFA611920R8129	84
MA1-8130	1SFA611920R8130	84
MA1-8131	1SFA611920R8131	45
MA1-8136	1SFA611920R8136	84
MA1-8137	1SFA611920R8137	38
MA1-8138	1SFA611920R8138	38
MA1-8139	1SFA611920R8139	17
MA1-8149	1SFA611920R8149	45
MA1-8150	1SFA611920H8150	84
MA1-8152	1SFA611920R8152	44
MA1-8153	1SFA611920R8153	44
MA5-3001	1SFA611925R3001	84
MA5-3002	1SFA611925R3002	84
MA5-3003	1SFA611925R3003	84
MA5-3004	1SFA611925R3004	84
MA5-3005	1SFA611925R3005	84
MA5-3006	1SFA611925R3006	84
MA5-3007	1SFA611925R3007	84
MA5-3008	1SFA611925R3008	84
MA5-3009	1SFA611925R3009	84
MA5-3010	1SFA611925R3010	84
MA6-1000	1SFA611930R1000	88
MA6-1002	1SFA611930R1002	88
MA6-1003	1SFA611930R1003	88
MA6-1004	1SFA611930R1004	88
MA6-1005	1SFA611930R1005	88
MA6-1006	1SFA611930R1006	88
MA6-1007	1SFA611930R1007	88
MA6-1008	1SFA611930R1008	88
MA6-1009	1SFA611930R1009	88
MA6-1010	1SFA611930R1010	98
MA6-1011	1SFA611930R1011	98
MA6-1012	1SFA611930R1012	88
MA6-1013	1SFA611930R1013	88
MA6-1014	1SFA611930R1014	88
MA6-1015	1SFA611930R1015	88
MA6-1016	1SFA611930R1016	88
MA6-1017	1SFA611930R1017	98
MA6-1018	1SFA611930R1018	98
MA6-1019	1SFA611930R1019	98
MA6-1020	1SFA611930R1020	98
MA6-1021	1SFA611930R1021	98
MA6-1022	1SFA611930R1022	98
MA6-1023	1SFA611930R1023	98
MA6-1024	1SFA611930R1024	88
MA6-1025	1SFA611930R1025	88
MA6-1026	1SFA611930R1026	88
MA6-1027	1SFA611930R1027	88
MA6-1028	1SFA611930R1028	88
MA6-1029	1SFA611930R1029	88
MA6-1032	1SFA611930R1032	97
MA6-1033	1SFA611930R1033	97
MA6-1034	1SFA611930R1034	97
MA6-1035	1SFA611930R1035	97
MA6-1036	1SFA611930R1036	97
MA6-1037	1SFA611930R1037	97
MA6-1038	1SFA611930R1038	97
MA6-1039	1SFA611930R1039	97
MA6-1040	1SFA611930R1040	97
MA6-1041	1SFA611930R1041	97
MA6-1042	1SFA611930R1042	97
MA6-1043	1SFA611930R1043	97
MA6-1044	1SFA611930R1044	97
MA6-1045	1SFA611930R1045	97
MA6-1047	1SFA611930R1047	97
MA6-1054	1SFA611930R1054	97
MA6-1058	1SFA611930R1058	97
MA6-1060	1SFA611930R1060	87
MA6-1061	1SFA611930R1061	87
MA6-1062	1SFA611930R1062	87
MA6-1063	1SFA611930R1063	87
MA6-1064	1SFA611930R1064	87
MA6-1065	1SFA611930R1065	87
MA6-1070	1SFA611930R1070	97
MA6-1071	1SFA611930R1071	97
MA6-1073	1SFA611930R1073	97
MA6-1074	1SFA611930R1074	97
MA6-1075	1SFA611930R1075	97
MA6-1076	1SFA611930R1076	97
MA6-1077	1SFA611930R1077	97
MA6-1078	1SFA611930R1078	97
MA6-1079	1SFA611930R1079	97
MA6-1080	1SFA611930R1080	97
MA6-1082	1SFA611930R1082	97
MA6-1083	1SFA611930R1083	97
MA6-1084	1SFA611930R1084	97
MA6-1085	1SFA611930R1085	97
MA6-1086	1SFA611930R1086	97
MA6-1087	1SFA611930R1087	97
MA6-1100	1SFA611930R1100	88
MA6-1101	1SFA611930R1101	88
MA6-1102	1SFA611930R1102	88
MA6-1103	1SFA611930R1103	88
MA6-1104	1SFA611930R1104	88
MA6-1118	1SFA611930R1118	97
MA6-1130	1SFA611930R1130	87
MA6-1131	1SFA611930R1131	87
MA6-1132	1SFA611930R1132	87
MA6-1133	1SFA611930R1133	87
MA6-1134	1SFA611930R1134	87
MA6-1135	1SFA611930R1135	87
MA6-1136	1SFA611930R1136	87
MA6-1137	1SFA611930R1137	87
MA6-1138	1SFA611930R1138	87
MA6-1139	1SFA611930R1139	87
MA6-1140	1SFA611930R1140	87
MA6-1141	1SFA611930R1141	87
MA6-1152	1SFA611930R1152	87
MA6-1153	1SFA611930R1153	87
MA6-1170	1SFA611930R1170	87
MA6-1171	1SFA611930R1171	87
MA6-1172	1SFA611930R1172	87
MA6-1173	1SFA611930R1173	87
MA6-1174	1SFA611930R1174	87
MA6-1175	1SFA611930R1175	87
MA6-1176	1SFA611930R1176	87
MA6-1177	1SFA611930R1177	87
MA6-1178	1SFA611930R1178	87
MA6-1179	1SFA611930R1179	87
MA6-1190	1SFA611930R1190	87
MA6-1191	1SFA611930R1191	87
MA6-1192	1SFA611930R1192	87
MA6-1193	1SFA611930R1193	87
MA6-1194	1SFA611930R1194	87
MA6-1210	1SFA611930R1210	97
MA6-1240	1SFA611930R1240	38
MA6-1241	1SFA611930R1241	38
MA6-1242	1SFA611930R1242	38
MA6-1252	1SFA611930R1252	35
MCB-01	1SFA611610R1010	41
MCB-01B	1SFA611610R2010	84
MCB-01BG	1SFA611610R2110	84
MCB-01G	1SFA611610R1110	41
MCB-02	1SFA611610R1020	41
MCB-02B	1SFA611610R2020	84
MCB-10	1SFA611610R1001	41
MCB-10B	1SFA611610R2001	84
MCB-10BG	1SFA611610R2101	84
MCB-10G	1SFA611610R1101	41
MCB-11	1SFA611610R1011	41
MCB-11B	1SFA611610R2011	84
MCB-20	1SFA611610R1002	41
MCB-20B	1SFA611610R2002	84
MCBH-00	1SFA611605R1100	41
MCBH5-00	1SFA611601R1100	41
MCBL-01	1SFA611612R1001	41
MCBL-10	1SFA611612R1010	41
MDB-2	1SFA611630R1002	45
MEP1-0	1SFA611811R1000	83
MEP2-0	1SFA611812R1000	83
MEP2-1001	1SFA611812R1001	90
MEP3-0	1SFA611813R1000	83
MEP4-0	1SFA611814R1000	83
MEP6-0	1SFA611816R1000	83
MEPY1-0	1SFA611821R1000	83
MEPY1-1035	1SFA611821R1035	90
MEPY1-1040	1SFA611821R1040	90
MEPY1-1041	1SFA611821R1041	90
MEPY1-1042	1SFA611821R1042	90
MJS10-60B	1SFA611710R6006	38
MJS11-40B	1SFA611711R4006	38
MJS11-60B	1SFA611711R6006	38
MJS12-40B	1SFA611712R4006	38
MJS12-60B	1SFA611712R6006	38
MJS1-40B	1SFA611701R4006	38
MJS1-60B	1SFA611701R6006	38
MJS2-40B	1SFA611702R4006	38
MJS2-60B	1SFA611702R6006	38
MJS3-40B	1SFA611703R4006	38
MJS3-60B	1SFA611703R6006	38
MJS4-40B	1SFA611704R4006	38
MJS4-60B	1SFA611704R6006	38
MJS5-40B	1SFA611705R4006	38
MJS5-60B	1SFA611705R6006	38
MJS6-40B	1SFA611706R4006	38

Index

Order code classification

Order code	Type	Page
MJS6-60B	1SFA611706R6006	38
MJS7-40B	1SFA611707R4006	38
MJS7-60B	1SFA611707R6006	38
MJS8-40B	1SFA611708R4006	38
MJS8-60B	1SFA611708R6006	38
MJS9-40B	1SFA611709R4006	38
MJS9-60B	1SFA611709R6006	38
ML1-100C	1SFA611400R1008	23
ML1-100G	1SFA611400R1002	23
ML1-100L	1SFA611400R1004	23
ML1-100R	1SFA611400R1001	23
ML1-100W	1SFA611400R1005	23
ML1-100Y	1SFA611400R1003	23
MLBL-00BG	1SFA611621R2002	85
MLBL-00BL	1SFA611621R2004	85
MLBL-00BR	1SFA611621R2001	85
MLBL-00BW	1SFA611621R2005	85
MLBL-00BY	1SFA611621R2003	85
MLBL-00G	1SFA611621R1002	42
MLBL-00L	1SFA611621R1004	42
MLBL-00R	1SFA611621R1001	42
MLBL-00W	1SFA611621R1005	42
MLBL-00Y	1SFA611621R1003	42
MLBL-01BG	1SFA611621R2012	85
MLBL-01BL	1SFA611621R2014	85
MLBL-01BR	1SFA611621R2011	85
MLBL-01BW	1SFA611621R2015	85
MLBL-01BY	1SFA611621R2013	85
MLBL-01G	1SFA611621R1012	42
MLBL-01L	1SFA611621R1014	42
MLBL-01R	1SFA611621R1011	42
MLBL-01W	1SFA611621R1015	42
MLBL-01Y	1SFA611621R1013	42
MLBL-02BG	1SFA611621R2022	85
MLBL-02BL	1SFA611621R2024	85
MLBL-02BR	1SFA611621R2021	85
MLBL-02BW	1SFA611621R2025	85
MLBL-02BY	1SFA611621R2023	85
MLBL-02G	1SFA611621R1022	42
MLBL-02L	1SFA611621R1024	42
MLBL-02R	1SFA611621R1021	42
MLBL-02W	1SFA611621R1025	42
MLBL-02Y	1SFA611621R1023	42
MLBL-03BG	1SFA611621R2032	85
MLBL-03BL	1SFA611621R2034	85
MLBL-03BR	1SFA611621R2031	85
MLBL-03BW	1SFA611621R2035	85
MLBL-03BY	1SFA611621R2033	85
MLBL-03G	1SFA611621R1032	42
MLBL-03L	1SFA611621R1034	42
MLBL-03R	1SFA611621R1031	42
MLBL-03W	1SFA611621R1035	42
MLBL-03Y	1SFA611621R1033	42
MLBL-04AG	1SFA611621R3042	42
MLBL-04AL	1SFA611621R3044	42
MLBL-04AR	1SFA611621R3041	42
MLBL-04AW	1SFA611621R3045	42
MLBL-04AY	1SFA611621R3043	42
MLBL-04BG	1SFA611621R2042	85
MLBL-04BL	1SFA611621R2044	85
MLBL-04BR	1SFA611621R2041	85
MLBL-04BW	1SFA611621R2045	85
MLBL-04BY	1SFA611621R2043	85
MLBL-04G	1SFA611621R1042	42
MLBL-04L	1SFA611621R1044	42
MLBL-04R	1SFA611621R1041	42
MLBL-04W	1SFA611621R1045	42
MLBL-04Y	1SFA611621R1043	42
MLBL-05BG	1SFA611621R2052	85
MLBL-05BL	1SFA611621R2054	85
MLBL-05BR	1SFA611621R2051	85
MLBL-05BW	1SFA611621R2055	85
MLBL-05BY	1SFA611621R2053	85
MLBL-05G	1SFA611621R1052	42
MLBL-05L	1SFA611621R1054	42
MLBL-05R	1SFA611621R1051	42
MLBL-05W	1SFA611621R1055	42
MLBL-05Y	1SFA611621R1053	42
MLBL-06BG	1SFA611621R2062	85
MLBL-06BL	1SFA611621R2064	85
MLBL-06BR	1SFA611621R2061	85
MLBL-06BW	1SFA611621R2065	85
MLBL-06BY	1SFA611621R2063	85
MLBL-06G	1SFA611621R1062	42
MLBL-06L	1SFA611621R1064	42
MLBL-06R	1SFA611621R1061	42
MLBL-06W	1SFA611621R1065	42
MLBL-06Y	1SFA611621R1063	42
MLBL-07BG	1SFA611621R2072	86
MLBL-07BL	1SFA611621R2074	86
MLBL-07BR	1SFA611621R2071	86
MLBL-07BW	1SFA611621R2075	86
MLBL-07BY	1SFA611621R2073	86
MLBL-07G	1SFA611621R1072	43
MLBL-07L	1SFA611621R1074	43
MLBL-07R	1SFA611621R1071	43
MLBL-07W	1SFA611621R1075	43
MLBL-07Y	1SFA611621R1073	43
MLBL-08BG	1SFA611621R2082	86
MLBL-08BL	1SFA611621R2084	86
MLBL-08BR	1SFA611621R2081	86
MLBL-08BW	1SFA611621R2085	86
MLBL-08BY	1SFA611621R2083	86
MLBL-08G	1SFA611621R1082	43
MLBL-08L	1SFA611621R1084	43
MLBL-08R	1SFA611621R1081	43
MLBL-08W	1SFA611621R1085	43
MLBL-08Y	1SFA611621R1083	43
MLBL-09BG	1SFA611621R2092	86
MLBL-09BL	1SFA611621R2094	86
MLBL-09BR	1SFA611621R2091	86
MLBL-09BW	1SFA611621R2095	86
MLBL-09BY	1SFA611621R2093	86
MLBL-09G	1SFA611621R1092	43
MLBL-09L	1SFA611621R1094	43
MLBL-09R	1SFA611621R1091	43
MLBL-09W	1SFA611621R1095	43
MLBL-09Y	1SFA611621R1093	43
MLBL-99G	1SFA611621R1992	43
MLBL-99L	1SFA611621R1994	43
MLBL-99R	1SFA611621R1991	43
MLBL-99W	1SFA611621R1995	43
MLBL-99Y	1SFA611621R1993	43
MP1-10B	1SFA611100R1006	13
MP1-10C	1SFA611100R1008	13
MP1-10G	1SFA611100R1002	13
MP1-10L	1SFA611100R1004	13
MP1-10R	1SFA611100R1001	13
MP1-10W	1SFA611100R1005	13
MP1-10Y	1SFA611100R1003	13
MP1-11C	1SFA611100R1108	15
MP1-11G	1SFA611100R1102	15
MP1-11L	1SFA611100R1104	15
MP1-11R	1SFA611100R1101	15
MP1-11W	1SFA611100R1105	15
MP1-11Y	1SFA611100R1103	15
MP1-20B	1SFA611100R2006	13
MP1-20C	1SFA611100R2008	13
MP1-20G	1SFA611100R2002	13
MP1-20L	1SFA611100R2004	13
MP1-20R	1SFA611100R2001	13
MP1-20W	1SFA611100R2005	13
MP1-20Y	1SFA611100R2003	13
MP1-21C	1SFA611100R2108	15
MP1-21G	1SFA611100R2102	15
MP1-21L	1SFA611100R2104	15
MP1-21R	1SFA611100R2101	15
MP1-21W	1SFA611100R2105	15
MP1-21Y	1SFA611100R2103	15
MP1-30B	1SFA611100R3006	13
MP1-30C	1SFA611100R3008	13
MP1-30G	1SFA611100R3002	13
MP1-30L	1SFA611100R3004	13
MP1-30R	1SFA611100R3001	13
MP1-30W	1SFA611100R3005	13
MP1-30Y	1SFA611100R3003	13
MP1-31C	1SFA611100R3108	15
MP1-31G	1SFA611100R3102	15
MP1-31L	1SFA611100R3104	15
MP1-31R	1SFA611100R3101	15
MP1-31W	1SFA611100R3105	15
MP1-31Y	1SFA611100R3103	15
MP2-10B	1SFA611101R1006	13
MP2-10C	1SFA611101R1008	13
MP2-10G	1SFA611101R1002	13
MP2-10L	1SFA611101R1004	13
MP2-10R	1SFA611101R1001	13
MP2-10W	1SFA611101R1005	13
MP2-10Y	1SFA611101R1003	13
MP2-11C	1SFA611101R1108	15
MP2-11G	1SFA611101R1102	15
MP2-11L	1SFA611101R1104	15
MP2-11R	1SFA611101R1101	15
MP2-11W	1SFA611101R1105	15
MP2-11Y	1SFA611101R1103	15
MP2-20B	1SFA611101R2006	13
MP2-20G	1SFA611101R2002	13
MP2-20L	1SFA611101R2004	13
MP2-20R	1SFA611101R2001	13
MP2-20W	1SFA611101R2005	13
MP2-21G	1SFA611101R2102	15
MP2-21L	1SFA611101R2104	15
MP2-21R	1SFA611101R2101	15
MP2-21W	1SFA611101R2105	15
MP2-21Y	1SFA611101R2103	15
MP2-30B	1SFA611101R3006	13
MP2-30G	1SFA611101R3002	13
MP2-30L	1SFA611101R3004	13
MP2-30R	1SFA611101R3001	13
MP2-30Y	1SFA611101R3003	13
MP2-31C	1SFA611101R3108	15
MP2-31G	1SFA611101R3102	15
MP2-31L	1SFA611101R3104	15
MP2-31R	1SFA611101R3101	15
MP2-31W	1SFA611101R3105	15
MP2-31Y	1SFA611101R3103	15
MP3-10B	1SFA611102R1006	14
MP3-10C	1SFA611102R1008	14
MP3-10G	1SFA611102R1002	14
MP3-10L	1SFA611102R1004	14
MP3-10R	1SFA611102R1001	14
MP3-10W	1SFA611102R1005	14
MP3-10Y	1SFA611102R1003	14
MP3-11C	1SFA611102R1108	16

Index

Order code classification

Order code	Type	Page
MP3-11G	1SFA611102R1102	16
MP3-11L	1SFA611102R1104	16
MP3-11R	1SFA611102R1101	16
MP3-11W	1SFA611102R1105	16
MP3-11Y	1SFA611102R1103	16
MP3-20B	1SFA611102R2006	14
MP3-20G	1SFA611102R2002	14
MP3-20L	1SFA611102R2004	14
MP3-20R	1SFA611102R2001	14
MP3-20W	1SFA611102R2005	14
MP3-20Y	1SFA611102R2003	14
MP3-21C	1SFA611102R2108	16
MP3-21G	1SFA611102R2102	16
MP3-21L	1SFA611102R2104	16
MP3-21R	1SFA611102R2101	16
MP3-21W	1SFA611102R2105	16
MP3-21Y	1SFA611102R2103	16
MP3-30B	1SFA611102R3006	14
MP3-30C	1SFA611102R3008	14
MP3-30G	1SFA611102R3002	14
MP3-30L	1SFA611102R3004	14
MP3-30R	1SFA611102R3001	14
MP3-30W	1SFA611102R3005	14
MP3-30Y	1SFA611102R3003	14
MP3-31C	1SFA611102R3108	16
MP3-31G	1SFA611102R3102	16
MP3-31L	1SFA611102R3104	16
MP3-31R	1SFA611102R3101	16
MP3-31W	1SFA611102R3105	16
MP3-31Y	1SFA611102R3103	16
MP4-10B	1SFA611103R1006	14
MP4-10C	1SFA611103R1008	14
MP4-10G	1SFA611103R1002	14
MP4-10L	1SFA611103R1004	14
MP4-10R	1SFA611103R1001	14
MP4-10W	1SFA611103R1005	14
MP4-10Y	1SFA611103R1003	14
MP4-11C	1SFA611103R1108	16
MP4-11G	1SFA611103R1102	16
MP4-11L	1SFA611103R1104	16
MP4-11R	1SFA611103R1101	16
MP4-11W	1SFA611103R1105	16
MP4-11Y	1SFA611103R1103	16
MP4-20G	1SFA611103R2002	14
MP4-20L	1SFA611103R2004	14
MP4-20R	1SFA611103R2001	14
MP4-20Y	1SFA611103R2003	14
MP4-21C	1SFA611103R2108	16
MP4-21G	1SFA611103R2102	16
MP4-21L	1SFA611103R2104	16
MP4-21R	1SFA611103R2101	16
MP4-21W	1SFA611103R2105	16
MP4-21Y	1SFA611103R2103	16
MP4-30B	1SFA611103R3006	14
MP4-30G	1SFA611103R3002	14
MP4-31C	1SFA611103R3108	16
MP4-31G	1SFA611103R3102	16
MP4-31L	1SFA611103R3104	16
MP4-31R	1SFA611103R3101	16
MPD1-11B	1SFA611130R1106	17
MPD1-11C	1SFA611130R1108	18
MPD1-11G	1SFA611130R1102	18
MPD1-11R	1SFA611130R1101	18
MPD1-11Y	1SFA611130R1103	18
MPD12-11B	1SFA611141R1106	17
MPD12-11C	1SFA611141R1108	19
MPD12-11G	1SFA611141R1102	19
MPD12-11R	1SFA611141R1101	19
MPD12-11Y	1SFA611141R1103	19
MPD13-11B	1SFA611142R1106	17
MPD13-11C	1SFA611142R1108	19
MPD13-11G	1SFA611142R1102	19
MPD13-11R	1SFA611142R1101	19
MPD13-11Y	1SFA611142R1103	19
MPD14-11B	1SFA611143R1106	17
MPD14-11C	1SFA611143R1108	19
MPD14-11G	1SFA611143R1102	19
MPD14-11R	1SFA611143R1101	19
MPD14-11Y	1SFA611143R1103	19
MPD15-11B	1SFA611144R1106	17
MPD15-11C	1SFA611144R1108	19
MPD15-11G	1SFA611144R1102	19
MPD15-11R	1SFA611144R1101	19
MPD15-11Y	1SFA611144R1103	19
MPD16-11B	1SFA611145R1106	17
MPD16-11C	1SFA611145R1108	19
MPD16-11G	1SFA611145R1102	19
MPD16-11R	1SFA611145R1101	19
MPD16-11Y	1SFA611145R1103	19
MPD17-11B	1SFA611146R1106	17
MPD17-11C	1SFA611146R1108	19
MPD17-11G	1SFA611146R1102	19
MPD17-11Y	1SFA611146R1103	19
MPD18-11B	1SFA611147R1106	17
MPD19-11B	1SFA611148R1106	17
MPD19-11C	1SFA611148R1108	19
MPD19-11G	1SFA611148R1102	19
MPD2-11B	1SFA611131R1106	17
MPD2-11C	1SFA611131R1108	18
MPD2-11G	1SFA611131R1102	18
MPD2-11R	1SFA611131R1101	18
MPD2-11Y	1SFA611131R1103	18
MPD3-11B	1SFA611132R1106	17
MPD3-11C	1SFA611132R1108	18
MPD3-11G	1SFA611132R1102	18
MPD3-11R	1SFA611132R1101	18
MPD3-11Y	1SFA611132R1103	18
MPD4-11B	1SFA611133R1106	17
MPD4-11C	1SFA611133R1108	18
MPD4-11G	1SFA611133R1102	18
MPD4-11R	1SFA611133R1101	18
MPD4-11Y	1SFA611133R1103	18
MPD5-11B	1SFA611134R1106	17
MPD5-11C	1SFA611134R1108	18
MPD5-11G	1SFA611134R1102	18
MPD5-11R	1SFA611134R1101	18
MPD5-11Y	1SFA611134R1103	18
MPD6-11B	1SFA611135R1106	17
MPD6-11C	1SFA611135R1108	18
MPD6-11G	1SFA611135R1102	18
MPD7-11B	1SFA611136R1106	17
MPD7-11G	1SFA611136R1102	18
MPD8-11B	1SFA611137R1106	17
MPD8-11C	1SFA611137R1108	18
MPD8-11G	1SFA611137R1102	18
MPD9-11B	1SFA611138R1106	17
MPEK3-11B	1SFA611522R1106	22
MPEK3-11R	1SFA611522R1101	21
MPEK3-12R	1SFA611522R1201	21
MPEK3-13R	1SFA611522R1301	21
MPEK4-11B	1SFA611525R1106	22
MPEK4-11R	1SFA611525R1101	21
MPEK4-12R	1SFA611525R1201	21
MPEK4-13R	1SFA611525R1301	21
MPEP3-10B	1SFA611521R1006	22
MPEP3-10R	1SFA611521R1001	21
MPEP4-10B	1SFA611524R1006	22
MPEP4-10R	1SFA611524R1001	21
MPET3-10B	1SFA611520R1006	22
MPET3-10R	1SFA611520R1001	21
MPET4-10B	1SFA611523R1006	22
MPET4-10R	1SFA611523R1001	21
MPM1-10B	1SFA611124R1006	20
MPM1-10G	1SFA611124R1002	20
MPM1-10R	1SFA611124R1001	20
MPM1-10Y	1SFA611124R1003	20
MPM1-11G	1SFA611124R1102	20
MPM1-11R	1SFA611124R1101	20
MPM1-11Y	1SFA611124R1103	20
MPM2-10B	1SFA611125R1006	20
MPM2-10R	1SFA611125R1001	20
MPM2-10Y	1SFA611125R1003	20
MPM2-11R	1SFA611125R1101	20
MPM2-11Y	1SFA611125R1103	20
MPMP3-11R	1SFA611511R1101	21
MPMP4-10R	1SFA611514R1001	21
MPMP4-11R	1SFA611514R1101	21
MPMT3-11R	1SFA611510R1101	21
MPMT4-10R	1SFA611513R1001	21
MPMT4-11R	1SFA611513R1101	21
MT-105B	1SFA611410R1056	35
MT-110B	1SFA611410R1106	35
MT-150B	1SFA611410R1506	35
MT-1B	1SFA611410R1006	35
MT-205B	1SFA611410R2056	35
MT-210B	1SFA611410R2106	35
MT-250B	1SFA611410R2506	35
MT-2B	1SFA611410R2006	35
MT-305B	1SFA611410R3056	35
MT-310B	1SFA611410R3106	35
MT-350B	1SFA611410R3506	35
MT-3B	1SFA611410R3006	35
MTS1-10B	1SFA611300R1006	39
MTS1-20B	1SFA611300R2006	39
MTS1-30B	1SFA611300R3006	39
MTS2-10B	1SFA611301R1006	39
MTS2-20B	1SFA611301R2006	39
MTS2-30B	1SFA611301R3006	39
MTS3-10B	1SFA611302R1006	39
MTS3-20B	1SFA611302R2006	39
MTS3-30B	1SFA611302R3006	39

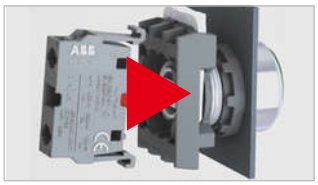
Marketing materials

Videos

Watch our videos to learn more about our product range



ABB Pilot devices manufacturing



Modular range assembly



IPX6 water spray test



IPX7 submersion test

Web

http://new.abb.com/low-voltage/products/pilot-devices

Customer cases



EA Elautomation
Europe



Duztech
Sweden



LED Controls
Great Britain

Catalogs

Find our catalogs on the web



Complete offering
Catalog number: 1SFC151007C0201



Core offering
Catalog number: 1SFC151006C0201

Data sheet

For direct product details information,
use product type or order code

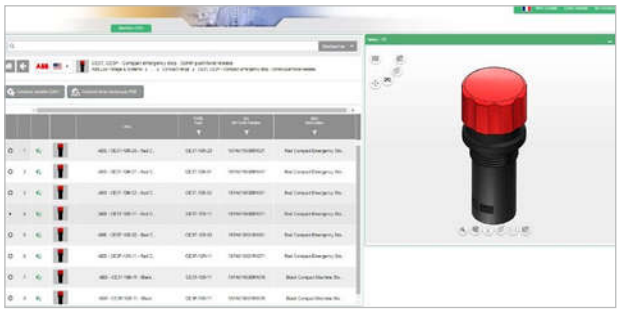


http://new.abb.com/products/ **product type or order code**

Ex: http://new.abb.com/products/ML1-100R
http://new.abb.com/products/1SFA611400R1001

3D models

Download and view our products in 2D or 3D
(STEP, IGES, ...) with Cadenas 3D-models



http://abb-control-products.partcommunity.com/3d-cad-models/

1SFC151087S0201

ABB AB
Electrification Products Division
Low Voltage Products and Systems
Protection & Connection
Motorgränd 20
SE-721 61 Västerås / Sweden

You can find the address of your local sales organisation on the ABB home page.

http://new.abb.com/low-voltage/products/pilot-devices

http://www.abb.com/lowvoltage

We reserve the right to make technical changes or modify the contents of this document without prior notice. ABB does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction, disclosure to third parties or utilization of its contents – in whole or in parts – is forbidden without prior written consent of ABB.

Copyright© 2018 ABB - All rights reserved

1SFC151007C0201 - Printed in France (X 07.2018 Chirat)