Series 61

16 mm 22.5 mm 21 x 21 mm 21 x 27 mm IP65 5 A 250 VAC



Choose one component from each of the coloured sections to assemble a complete switch.
For other options or further information please contact your local sales office.

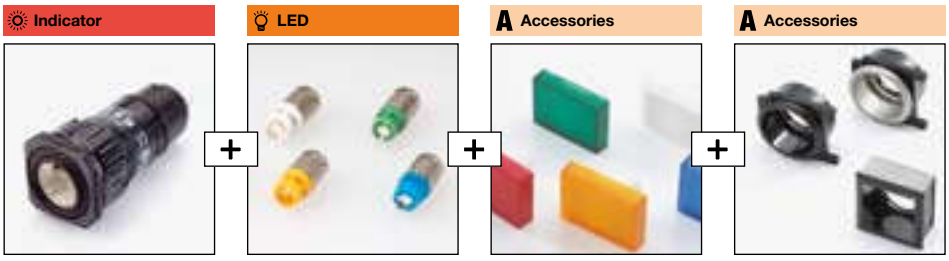
Product Profile

The Series 61 is a high quality, modular switch range that includes pushbuttons, indicators, selector switches, keylock switches and Emergency-stops. Available in raised or flush mount.

Self cleaning snap-action and slow-make switching elements available.

Technical data see page 103

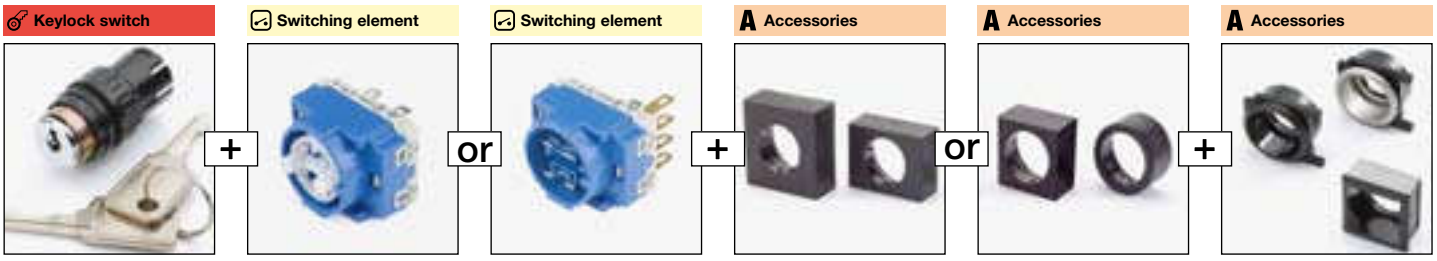
- IP65 Protection
- Switch Rating, 5 A, 250 VAC
- Raised Mounting into 16 mm cut out
- Flush Mounting into 22.5 mm, 21 x 21 mm and 21 x 27 mm cut out
- Illumination using midget-grooved T13/4 lamps or single chip LED's
- All standard lenses are transparent with translucent diffuser available in different colours
- For keylock switches 135 different keys are available



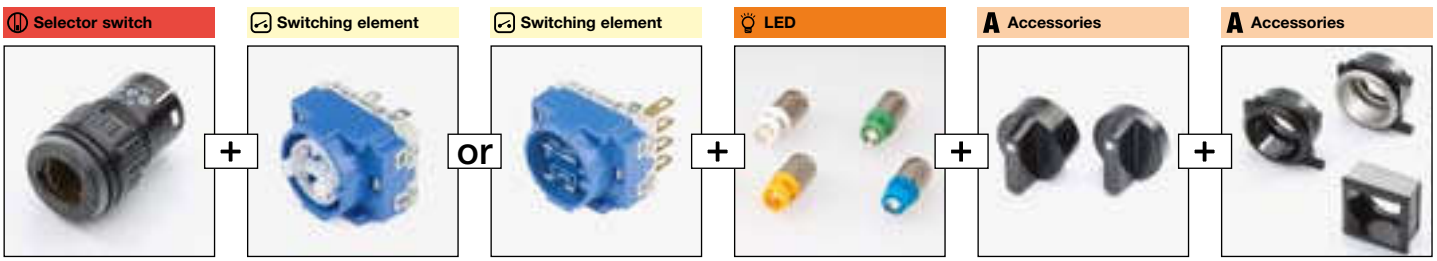
For a complete indicator you will need to order the appropriate LED, lens and bezel (for flush mount only)



For a complete illuminated pushbutton you will need to order the appropriate contact block, LED, lens and bezel (for flush mount only)



For a complete keylock switch you will need to order the appropriate LED, lens and bezel (for flush mount only)



For a complete selector switch you will need to order the appropriate contact block, LED, lever and bezel (for flush mount only)

Ordering Guide

Choice of front bezel determines front shape

Choose one component from each of the coloured sections to assemble a complete switch.
For other options or further information please contact your local sales office.

ELEMENT | LED | A ACCESSORIES

Indicator



Indicator bodies, raised, round, square and rectangular, black plastic, 16 mm mounting

Image	Part No.	Size
1	61-0050.02	24 x 24 mm
2	61-0030.02	18 x 24 mm
3	61-0020.02	18 x 18 mm
4	61-0010.02	18 mm ∅

For complete switch also order A



Indicator body for flush mount, black plastic, 22.5 mm mounting

Part No.
61-0000.02

For complete switch also order A

Illuminated pushbutton



Illuminated pushbutton actuator, raised, round, square and rectangular, black plastic, 16 mm mounting

Image	Part No.	Function	Size
1	61-1150.0	Momentary	24 x 24 mm
1	61-1250.0	Maintained	24 x 24 mm
2	61-1130.0	Momentary	18 x 24 mm
2	61-1230.0	Maintained	18 x 24 mm
3	61-1120.0	Momentary	18 x 18 mm
3	61-1220.0	Maintained	18 x 18 mm
4	61-1110.0	Momentary	18 mm ∅
4	61-1210.0	Maintained	18 mm ∅

For complete switch also order A

Illuminated pushbutton



Illuminated flush mount pushbutton actuator, round, black plastic, 22.5 mm mounting

Part No.	Function
61-1100.0	Momentary
61-1200.0	Maintained

For complete switch also order A

Emergency-stop switch



Emergency-stop, twist release and key release, 27 mm diameter for 16 mm mounting, foolproof to EN 60947-5-5 and DIN EN ISO 13850

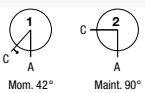
Part No.	Product reference
61-3440.4/1	Twist release
61-5441.4/K	Key release

For complete switch also order A

Keylock switch



Keylock switch, actuator, 2 position for raised and flush mount



Graphic	Part No.	Function	Key rem.
1	61-2101.0/D	Momentary	A
2	61-2201.0/D	Maintained	A
2	61-2203.0/D	Maintained	C
2	61-2205.0/D	Maintained	C + A

For flush mount order front bezel and front bezel set

For complete switch also order A

Series 61

16 mm 22.5 mm 21 x 21 mm 21 x 27 mm IP65 5 A 250 VAC

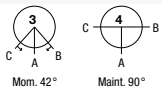
INDICATOR | PUSHBUTTON | E-STOP | KEYLOCK | SELECTOR

Choose one component from each of the coloured sections to assemble a complete switch.
For other options or further information please contact your local sales office.

Keylock switch



Keylock switch, actuator, 3 position for raised and flush mount

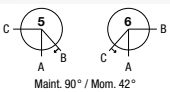


Graphic	Part No.	Function	Key rem.
3	61-2501.0/D	Momentary/Momentary	A
4	61-2601.0/D	Maintained/Maintained	A
4	61-2602.0/D	Maintained/Maintained	B
4	61-2603.0/D	Maintained/Maintained	C
4	61-2604.0/D	Maintained/Maintained	A + B
4	61-2605.0/D	Maintained/Maintained	C + A
4	61-2606.0/D	Maintained/Maintained	C + B
4	61-2607.0/D	Maintained/Maintained	C + A + B
	For flush mount order front bezel and front bezel set		

For complete switch also order A



Keylock switch, actuator, 3 position for raised and flush mount



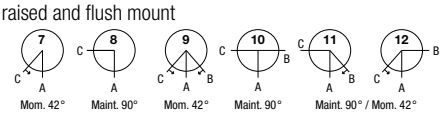
Graphic	Part No.	Function	Key rem.
5	61-2701.0/D	Maintained/Momentary	A
5	61-2703.0/D	Maintained/Momentary	C
5	61-2705.0/D	Maintained/Momentary	C + A
6	61-2801.0/D	Momentary/Maintained	A
6	61-2802.0/D	Momentary/Maintained	B
6	61-2804.0/D	Momentary/Maintained	A + B
	For flush mount order front bezel and front bezel set		

For complete switch also order A

Selector switch



Selector switch, actuator, 2 and 3 position for raised and flush mount



Graphic	Part No.	Function
7	61-4110.0	Momentary
8	61-4210.0	Maintained
9	61-4510.0	Momentary/Momentary
10	61-4610.0	Maintained/Maintained
11	61-4710.0	Maintained/Momentary
12	61-4810.0	Momentary/Maintained

For complete switch also order A

Contact block



Contact block for pushbuttons and 2 position keylock and selector switches, snap-action, solder/plug-in terminal

	Part No.	Contact type	Contact material
	61-8410.12	1NO	Silver
	61-8410.22	1NO	Gold
	61-8420.12	2NO	Silver
	61-8420.22	2NO	Gold
	61-8470.12	1NO/1NC	Silver
	61-8470.22	1NO/1NC	Gold



Emergency-stop contact block, slow make, screw terminal or solder/plug-in terminal

Image	Part No.	Contact type	Contact material
1	61-8755.11	2NC	Silver
2	61-8755.17	2NC	Silver
1	61-8775.11	1NO/1NC	Silver
2	61-8775.17	1NO/1NC	Silver



Contact block, 3 position keylock and selector switch, snap-action, solder/plug-in terminal

	Part No.	Contact type	Contact material
	61-8520.12	2NO	Silver
	61-8520.22	2NO	Gold

Choose one component from each of the coloured sections to assemble a complete switch.
For other options or further information please contact your local sales office.

ELEMENT | LED | ACCESSORIES

LED



LED, T1¾ MG, single chip, 12 Volt and 28 Volt.
Also available in 6 Volt, 24 Volt and 48 Volt

Colour	Part No.	Voltage
Red	10-2J09.1062	12VAC/DC, 7/14mA
Yellow	10-2J09.1064	12VAC/DC, 7/14mA
Green	10-2J09.1065	12VAC/DC, 7/14mA
Blue	10-2J09.1066	12VAC/DC, 7/14mA
White	10-2J09.1069	12VAC/DC, 7/14mA
Red	10-2J13.1062	28VAC/DC, 7/14mA
Yellow	10-2J13.1064	28VAC/DC, 7/14mA
Green	10-2J13.1065	28VAC/DC, 7/14mA
Blue	10-2J13.1066	28VAC/DC, 7/14mA
White	10-2J13.1069	28VAC/DC, 7/14mA

A Accessories



Lens, plastic for raised, rectangular indicator and pushbutton actuators

Colour	Part No.	for switch
Red	61-9331.2	18 x 24 mm
Yellow	61-9331.4	18 x 24 mm
Green	61-9331.5	18 x 24 mm
Blue	61-9331.6	18 x 24 mm
Clear	61-9331.7	18 x 24 mm



Lens, plastic for raised, square indicator and pushbutton actuators

Colour	Part No.	for switch
Red	61-9351.2	24 x 24 mm
Yellow	61-9351.4	24 x 24 mm
Green	61-9351.5	24 x 24 mm
Blue	61-9351.6	24 x 24 mm
Clear	61-9351.7	24 x 24 mm

A Accessories



Lens, plastic for raised, square indicator and pushbutton actuators

Colour	Part No.	for switch
Red	61-9321.2	18 x 18 mm
Yellow	61-9321.4	18 x 18 mm
Green	61-9321.5	18 x 18 mm
Blue	61-9321.6	18 x 18 mm
Clear	61-9321.7	18 x 18 mm



Lens, plastic for raised, round indicator and pushbutton actuators

Colour	Part No.	for switch
Red	61-9311.2	18 mm ∅
Yellow	61-9311.4	18 mm ∅
Green	61-9311.5	18 mm ∅
Blue	61-9311.6	18 mm ∅
Clear	61-9311.7	18 mm ∅



Lens, plastic for flush mount, rectangular indicator and pushbutton actuators

Colour	Part No.	for switch
Red	61-9681.2	24 x 30 mm
Yellow	61-9681.4	24 x 30 mm
Green	61-9681.5	24 x 30 mm
Blue	61-9681.6	24 x 30 mm
Clear	61-9681.7	24 x 30 mm



Choose one component from each of the coloured sections to assemble a complete switch.
For other options or further information please contact your local sales office.

A Accessories



Lens, plastic for flush mount, round indicator and pushbutton actuators

Colour	Part No.
Red	61-9642.2
Yellow	61-9642.4
Green	61-9642.5
Blue	61-9642.6
Clear	61-9642.7



Lens, plastic for flush mount, square indicator and pushbutton actuators

Colour	Part No.	for switch
Red	61-9671.2	24 x 24 mm
Yellow	61-9671.4	24 x 24 mm
Green	61-9671.5	24 x 24 mm
Blue	61-9671.6	24 x 24 mm
Clear	61-9671.7	24 x 24 mm



Lever for selector switch, raised and flush mount, coloured lever bar options available as indicated

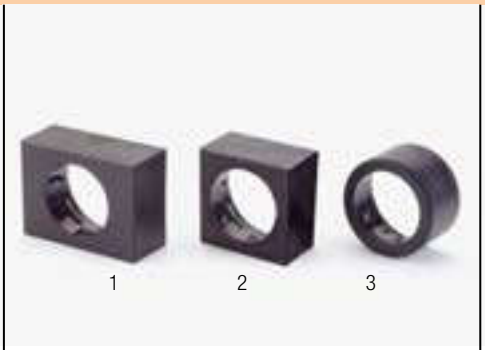
Colour	Part No., Raised	Part No., Flush mount
Red	52-928.20	61-9028.20
Yellow	52-928.40	61-9028.40
Green	52-928.50	61-9028.50
Blue	52-928.60	61-9028.60
White	52-928.9	61-9028.9
Black	52-928.0	61-9028.0

A Accessories



Keylock switch front bezel, raised black plastic

Image	Part No.	for switch
1	61-9250.0	24 x 24 mm
2	61-9230.0	18 x 24 mm
3	61-9220.0	18 x 18 mm
4	61-9210.0	18 mm ∅



Keylock switch front bezel, flush mount or raised, black plastic

Image	Part No.	for switch
1	61-9230.0	24 x 30 mm
2	61-9220.0	24 x 24 mm
3	61-9210.0	25 mm ∅



Front bezel set for flush mount indicator, illuminated pushbutton and square and rectangular keylock switch

Image	Part No.	Material	Size
1	61-9933.10	Plastic black	25 mm ∅
2	61-9933.0	Aluminium nat.	25 mm ∅
3	61-9931.0	Plastic black	24 x 30 mm
4	61-9930.0	Plastic black	24 x 24 mm

Choose one component from each of the coloured sections to assemble a complete switch.
For other options or further information please contact your local sales office.

ELEMENT | LED | A ACCESSORIES

A Accessories



Front bezel set for round flush mount selector, round keylock switch and square selector switch

Image	Part No.	Material	Size
1	61-9932.10	Plastic black	25 mm ∅
2	61-9936.0	Plastic black	24 x 24 mm
3	61-9932.0	Aluminium nat.	25 mm ∅



Flap guard, raised and flush mount

Image	Part No.	Size	Mounting
1	61-9922.0	24 x 30 mm	Flush
2	61-9921.0	24 x 24 mm	Flush
3	61-9924.0	25 mm ∅	Flush
4	61-9920.0	24 x 24 mm	Raised
5	51-925	18 x 24 mm	Raised
6	51-920	18 x 18 mm	Raised



Blanking plate

Image	Part No.	Size	Mounting hole
1	61-9450.0	24 x 24 mm	16 mm ∅
2	61-9452.0	24 x 30 mm	21 x 27 mm
3	61-9451.0	24 x 24 mm	21 x 21 mm
4	51-947.0	18 x 24 mm	16 mm ∅
5	51-948.0	18 x 18 mm	16 mm ∅
6	51-949.0	18 mm ∅	16 mm ∅
	61-9453.0	25 mm ∅	22.5 mm ∅

A Accessories



Flat receptacle for plug-in terminal size 2.8 x 0.5 mm and insulation socket

Image	Part No.
1	31-929
2	31-946



Emergency-stop protective shroud, yellow painted aluminium with 16 mm mounting hole

Part No.
61-9965



Emergency-stop label, 43 mm diameter, English, German, French and no markings

Part No.	Markings
61-9970.0	no markings
61-9970.2	EMERGENCY STOP
61-9970.1	NOT AUS
61-9970.3	ARRET D'URGENCE
61-9970.6	NOT-HALT

INDICATOR | PUSHBUTTON | E-STOP | KEYLOCK | SELECTOR

Choose one component from each of the coloured sections to assemble a complete switch.
For other options or further information please contact your local sales office.

A Accessories



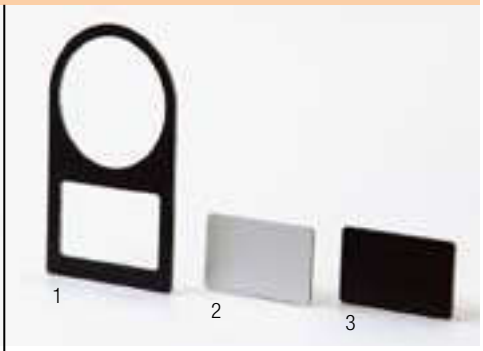
Emergency-stop switch enclosure with 16 mm mounting hole, 65 mm (w) x 65 mm (h) x 57 mm (d) and cable gland M16, IP66

Image	Part No.	Thread
1	61-9480.5	
2	61-9481.6	M16



Lens remover for flush mount, mounting tool, lens remover for raised, contact block remover and LED remover

Image	Part No.	Product description
1	61-9730.0	Lens remover for flush mount
2	01-907	Mounting tool
3	02-905	Lens remover for raised
4	61-9711.0	Contact block remover
5	61-9740.0	LED remover



Legend plate, adhesive, natural anodised aluminium finish for flush mount round pushbuttons, 25 mm mounting hole

Image	Part No.	Size	Colour
1	61-9980.0	50 x 30 mm ∅	Black
2	704.968.0		Aluminium
3	704.968.1		Black

A Accessories



Lens plastic transparent; illuminated ring; for raised and flush mounting, round indicators and illuminated pushbuttons

Colour	Part No.	Comment
Red	61-9643-201	
Orange	61-9643-301	
Yellow	61-9643-401	
Green	61-9643-501	
Blue	61-9643-601	
Clear	61-9643-701	



Lens aluminium; convex raised; for raised and flush mounting, round indicators and illuminated pushbuttons

Colour	Part No.
Red	61-9842.2
Yellow	61-9842.4
Green	61-9842.5
Blue	61-9842.6
Aluminium	61-9842.8
Black	61-9842.0



Lens with spot illumination; aluminium; for raised and flush mounting, round indicators and illuminated pushbuttons

Colour	Part No.
Red	61-9841.2A
Yellow	61-9841.4A
Green	61-9841.5A
Blue	61-9841.6A
Aluminium	61-9841.8A
Black	61-9841.0A

Actuator with snap-action switching element

Switching system

Self-cleaning, double-break snap-action switching system with contact opening width 2 x 0.5 mm (switch with small contact opening width as per EN IEC 61058-1).
The switching elements are optionally equipped with the following switching functions:
One to three normally open (NO) or normally closed (NC), or any combination of NO and NC plus connections for T1 3/4 LED or lamp.
The number of switching elements cannot exceed three.
The switching elements provided for the 3-position switch actuators are equipped with max. 2 NC or 2 NO or any combination. The number of switching elements cannot exceed two.

Material

Lens
Raised mounting Polymethylmethacrylat (PMMA), as per UL 94 HB, flush mounting Polycarbonat (PC), as per UL 94 V0, or Aluminium anodized

Front bezel
Polyetherimid (PEI), as per UL 94 V0, or Aluminium anodized

Front ring
Aluminium anodized

Material of contact
Silver or silver with gold plating

Switching element
Diallylphthalate (DAP), as per UL 94 V0 and Polyamide (PA 66), as per UL 94 V0

Actuator housing
Polyetherimide (PEI), as per UL 94 V0, self-extinguishing

Mechanical characteristics

Terminals

- Solder	rigid	flexible	superflexible
1 wire	0.5 ... 1.5 mm²	0.5 ... 0.75 mm²	0.5 mm²
2 wires	0.75 mm²	0.5 mm²	

Actuating torque
Selector-/Keylock switch 2.5 ... 10 Ncm

Actuating force
Pushbutton 2.7 ... 3.6 N

Actuating travel

Pushbutton	3 mm	
Selector-/ keylock switch	2 positions	3 positions
Momentary action	approx. 42°	approx. 2 x 42°
Maintained action	approx. 90°	approx. 2 x 90°

Rebound time
The rebound times apply to normal manual activation

Contact making	3 ms
Contact breaking	5 ms

Mechanical lifetime
as per DIN IEC 60512-5-6 and EN IEC 60947-5-1

Pushbutton maintained action	1 million	cycles of operation
Pushbutton momentary action	2 million	cycles of operation
Keylock switch	50 000	cycles of operation
Selector switch	100 000	cycles of operation

Electrical characteristics

Standards
The devices comply with: EN IEC 61058-1 and EN IEC 60947-5-1

Rated Operational Voltage Ue
250 VAC/DC as per EN IEC 60947-1

Rated Insulation Voltage Ui
320 VAC, as per EN IEC 60947-5-1

Rated Impulse Withstand Voltage Uimp
4 kV, as per EN IEC 60947-5-1

Contact resistance
New state with silver contact ≤100 mΩ
as per DIN IEC 60512-2-4, measured at 100 mA, 10 V
New state with gold plated contact ≤50 mΩ
as per DIN IEC 60512-2-3, measured at 20 mV, 10 mA

Electrical life
≥50 000 cycles of operation at 250 VAC, 5 A, cosϕ 0.95, as per EN IEC 60947-5-1

Electrostatic discharge
Keylock switch 11 kV

Conventional free air thermal current Ith
5 A, as per EN IEC 60947-5-1
the maximum current in continuous operation and at ambient temperature must not exceed the quoted maximum values.

Switch rating
Switch rating AC with silver contact or silver contact with gold plating, service category AC-15, as per EN IEC 60947-5-1

Voltage	125 VAC	250 VAC
Current	2.5 A	2 A

Switch rating DC for silver contact or silver contact with gold plating, service category DC-13, as per EN IEC 60947-5-1

Voltage	250 VDC
Current	0.15 A

Recommended minimum operational data

Material of contact	Silver	Silver with gold plating
Voltage	20 VAC/DC	5 VAC/DC
Current	100 mA	10 mA

Electric strength
2500 VAC, 50 Hz, 1 min., as per DIN IEC 60512-2-11
between all terminals and earth

Overvoltage category
III, as per EN IEC 60947-5-1

Protection class
Class II, as per EN IEC 61058-1

Degree of pollution
3, as per EN IEC 60947-1

Environmental conditions

Storage temperature
–40 °C ... +85 °C

Operating temperature
–25 °C ... +55 °C

Protection degree
as per EN IEC 60529
Frontside IP65 | rear side IP40

Shock resistance
(semi-sinusoidal)
max. 100 m/s², pulse width 11 ms, 3-axis, as per EN IEC 60068-2-27

Vibration resistance
(sinusoidal)
max. 100 m/s² at 10 Hz ... 500 Hz, as per EN IEC 60068-2-6

Climate resistance
Damp heat, cyclic
96 hours, +25 °C / 97%, +55 °C / 93% relative humidity, as per EN IEC 60068-2-30

Damp heat, state
56 days, +40 °C / 93% relative humidity, as per EN IEC 60068-2-78

Rapid change of temperature
100 cycles, –40 °C ... +80 °C, as per EN IEC 60068-2-14

Approvals

Approbations
CB (IEC 60947)
CB (IEC 61058)
CSA
ENEC (EN 61058)
Germanischer Lloyd
GOST
UL
VDE

Declaration of conformity
CE

Actuator with slow-make switching element

Switching system

Double-break slow-make system, contact opening width 2 x 1.5 mm, with 2 x 2 contact points per switching element.
NC-contact elements in the slow-make elements fulfill requirements of switches with forced opening as per EN IEC 60947-5-1 2.17
The slow-make elements are optionally obtainable with the following switching functions: 1 NO or 2 NO, 1 NC or 2 NC, 1 NO + 1 NC.

Material

Lens
Raised mounting Polymethylmethacrylat (PMMA), as per UL 94 HB, flush mounting Polycarbonat (PC), as per UL 94 V0, or Aluminium anodized

Front bezel
Polyetherimid (PEI), as per UL 94 V0, or Aluminium anodized

Front ring
Aluminium anodized

Material of contact
Silver or gold (specified for operation for low level switching)

Switching element
Diallylphthalate (DAP), as per UL 94 V0 and Polyamide (PA 66), as per UL 94 V0

Actuator housing
Polyetherimide (PEI), as per UL 94 V0, self-extinguishing

Mechanical characteristics

Terminals

- Solder	rigid	flexible	superflexible
1 wire	0.5 ... 1.5 mm²	0.5 ... 0.75 mm²	0.5 mm²
2 wires	0.75 mm²	0.5 mm²	
- Screw			
1 wire	0.5 ... 1.5 mm²	0.5 ... 0.75 mm²	0.5 mm²
2 wires	0.75 mm²	0.5 mm²	0.5 mm²

Actuating torque

Selector-/ Keylock switch	4 ... 16 Ncm

Actuating force

Pushbutton	3.5 ... 11 N
Emergency-stop switch	max. 65 N

Actuating travel

Pushbutton	3 mm	
Emergency-stop switch	10 mm	
Selector-/ keylock switch	2 positions	3 positions
Momentary action	approx. 42°	approx. 2 x 42°
Maintained action	approx. 90°	approx. 2 x 90°

Rebound time
2 ms, contact making and contact breaking
the rebound times apply to normal manual activation

Mechanical lifetime
as per DIN IEC 60512-5-6 and EN IEC 60947-5-1

Pushbutton maintained action	1 million	cycles of operation
Pushbutton momentary action	2 million	cycles of operation
Emergency-stop pushbutton	6 050	cycles of operation
Keylock switch	50 000	cycles of operation
Selector switch	100 000	cycles of operation

Electrical characteristics

Standards
The devices comply with: EN IEC 61058-1 and EN IEC 60947-5-1, EN IEC 60947-5-5 (Emergency-stop)

Electrical life
≥50 000 cycles of operation at 250 VAC, 5 A, cosϕ 0.95, as per EN IEC 60947-5-1
Switching Element of Emergency-stop 6050 cycles of operation, as per EN IEC 60947-5-5

Electrostatic discharge
Keylock switch 11 kV

Electric strength
4000 VAC, 50 Hz, 1 min., as per DIN IEC 60512-2
between all terminals and earth

Overvoltage category
III, as per EN IEC 60947-5-1

Protection class
Class II, as per EN IEC 61058-1

Degree of pollution
3, as per EN IEC 60947-1

Electrical characteristics for silver contacts

Rated Operational Voltage Ue
250 VAC/DC as per EN IEC 60947-1

Rated Insulation Voltage Ui
320 VAC, as per EN IEC 60947-5-1

Rated Impulse Withstand Voltage Uimp
4 kV, as per EN IEC 60947-5-1

Contact resistance
New state ≤50 mΩ, as per DIN IEC 60512-2-4, measured at 100 mA, 10 V

Conventional free air thermal current Ith
5 A, as per EN IEC 60947-5-1
the maximum current in continuous operation and at ambient temperature must not exceed the quoted maximum values.

Switch rating
Switch rating AC with silver contact and srew terminal, service category AC-15, as per EN IEC 60947-5-1

Voltage	125 VAC	250 VAC
Current	3 A	2 A

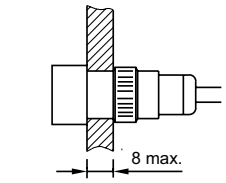
Switch rating with silver contact and screw terminal, service category DC-13, as per EN IEC 60947-5-1

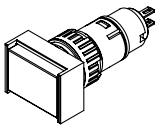
Voltage	250 VDC
Current	0.2 A

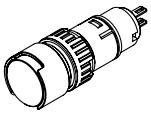
Recommended minimum operational data
20 VAC/DC, 100 mA

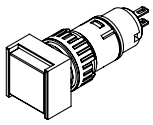
61 Indicator

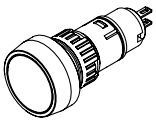
Raised, Round, Square, Rectangular

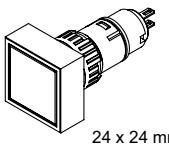


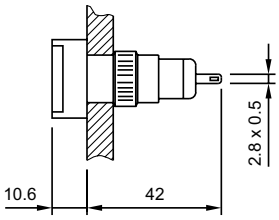

18 x 24 mm


Ø 18 mm


18 x 18 mm

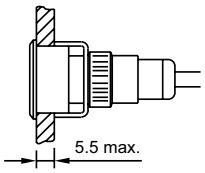

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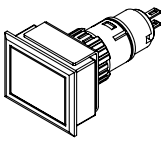

24 x 24 mm

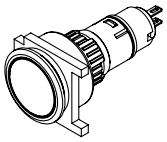


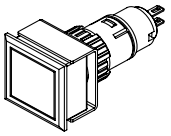
61 Indicator

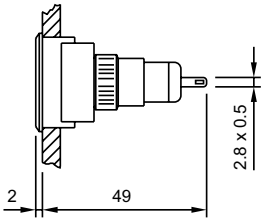
Flush, Round, Square, Rectangular




24 x 30 mm

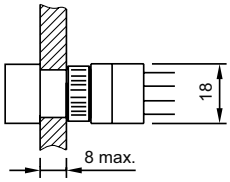

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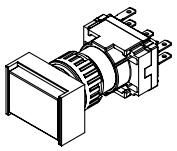

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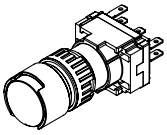


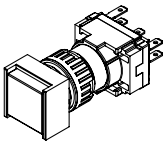
61 Illuminated Pushbutton

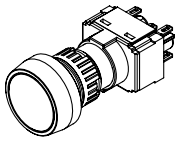
Raised, Round, Square, Rectangular

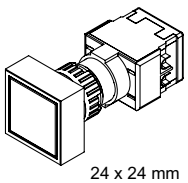


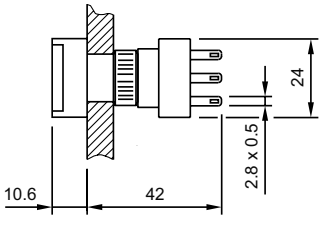

18 x 24 mm


Ø 18 mm

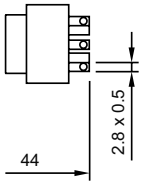

18 x 18 mm


Ø 24 mm

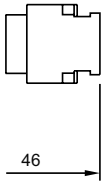

24 x 24 mm



Snap-action switching element
Soldering terminal



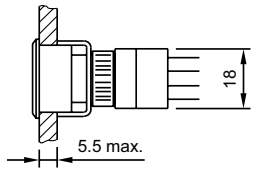
Slow-make switching element
Soldering terminal

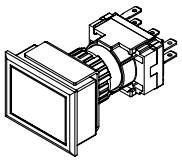


Slow-make switching element
Screw terminal

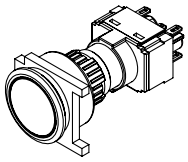
61 Illuminated Pushbutton

Flush, Round, Square, Rectangular

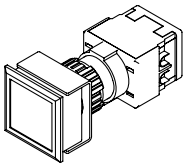




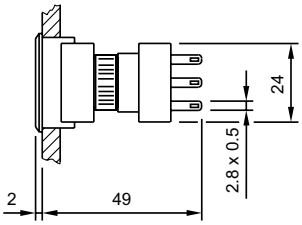
24 x 30 mm



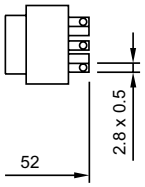
Ø 25 mm



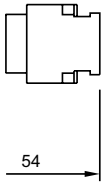
24 x 24 mm



Snap-action switching element
Soldering terminal



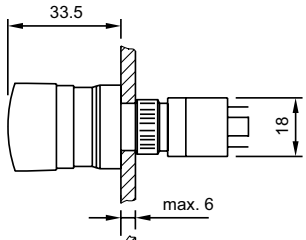
Slow-make switching element
Soldering terminal

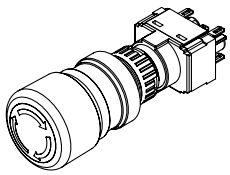


Slow-make switching element
Screw terminal

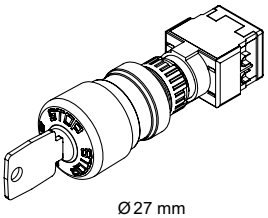
61 Emergency-stop switch

ISO 1385, Twist release, Key release

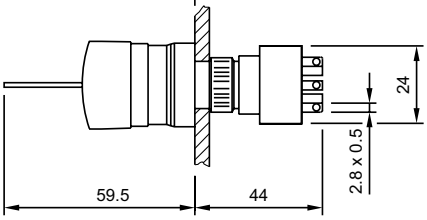




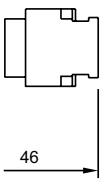
Ø 27 mm



Ø 27 mm



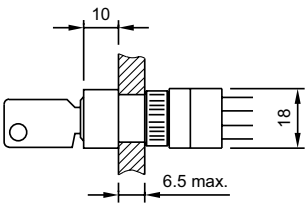
Slow-make switching element
Soldering terminal

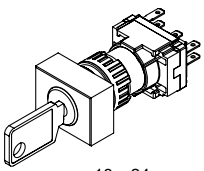


Slow-make switching element
Screw terminal

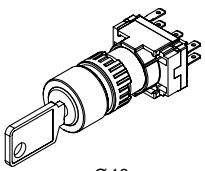
61 Keylock switch

2 & 3-Position, Raised, Round, Square, Rectangular

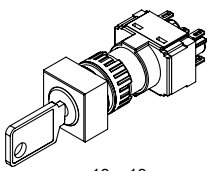




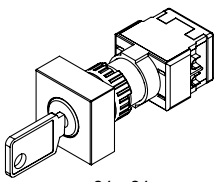
18 x 24 mm



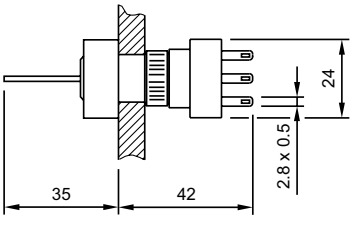
Ø 18 mm



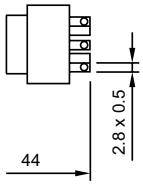
18 x 18 mm



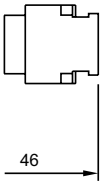
24 x 24 mm



Snap-action switching element
Soldering terminal



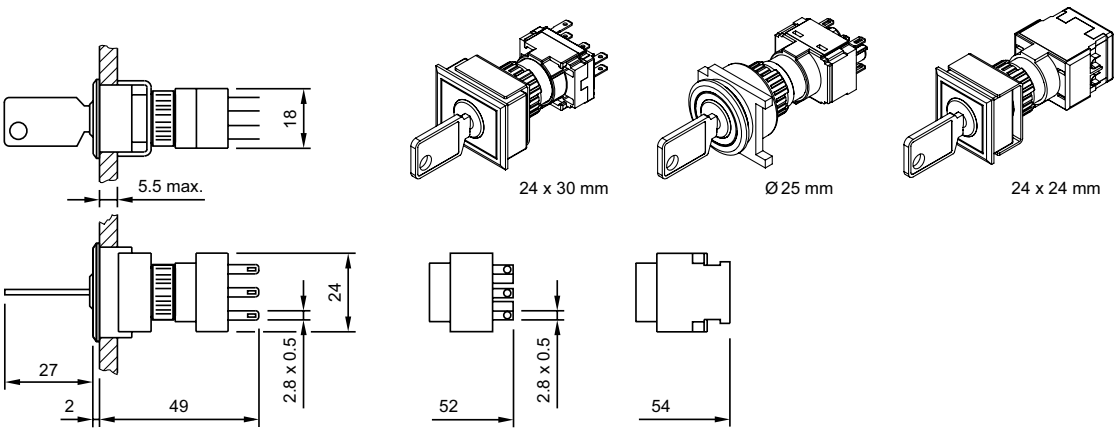
Slow-make switching element
Soldering terminal



Slow-make switching element
Screw terminal

61 Keylock switch

2 & 3-Position, Flush, Round, Square, Rectangular



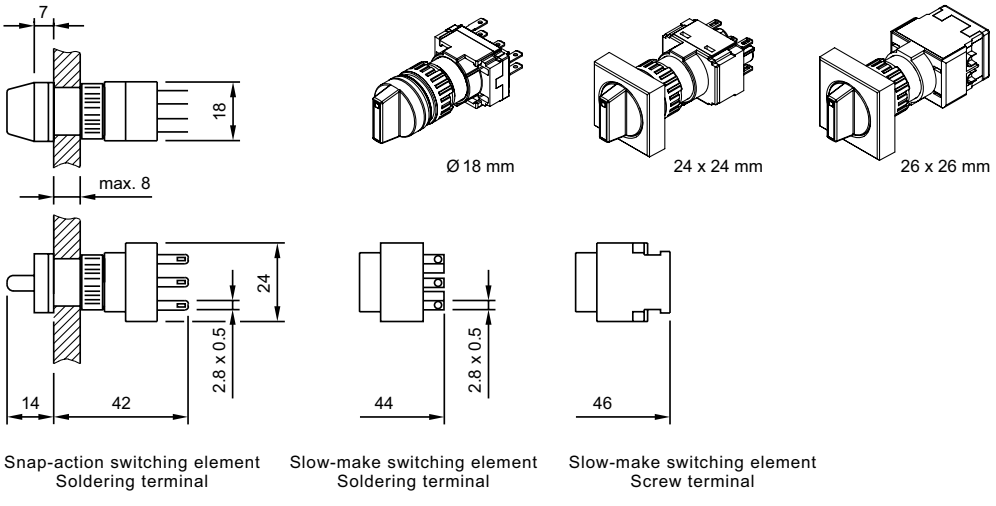
Snap-action switching element
Soldering terminal

Slow-make switching element
Soldering terminal

Slow-make switching element
Screw terminal

61 Selector switch

2 & 3-Position, Raised, Round, Square, Rectangular



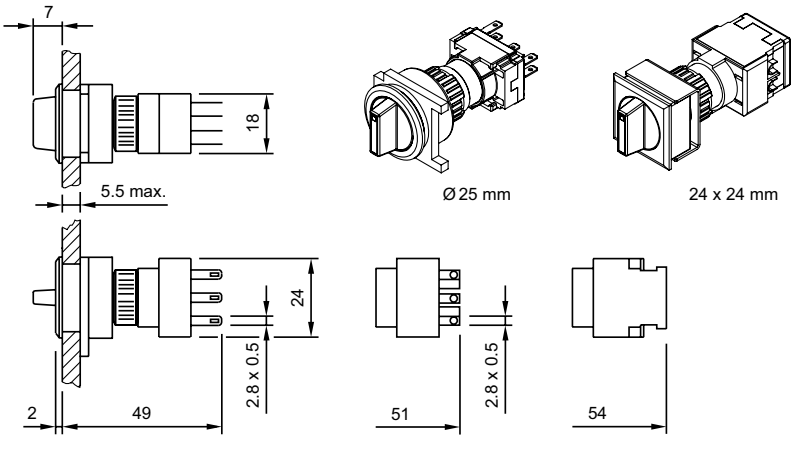
Snap-action switching element
Soldering terminal

Slow-make switching element
Soldering terminal

Slow-make switching element
Screw terminal

61 Keylock switch

2 & 3-Position, Flush, Round, Square, Rectangular



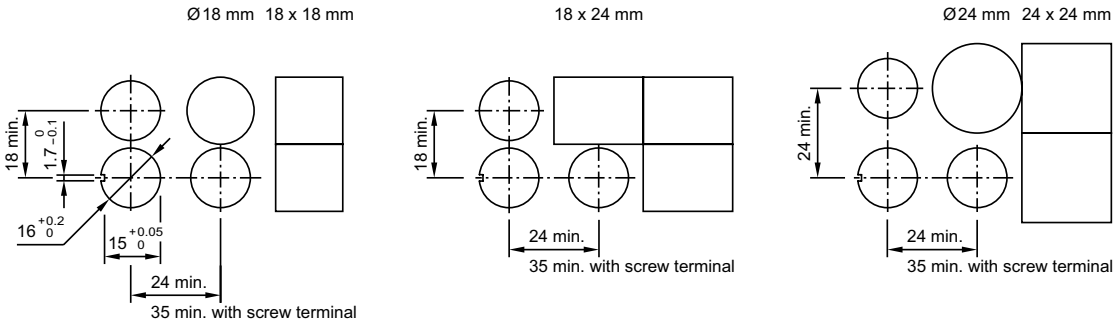
Snap-action switching element
Soldering terminal

Slow-make switching element
Soldering terminal

Slow-make switching element
Screw terminal

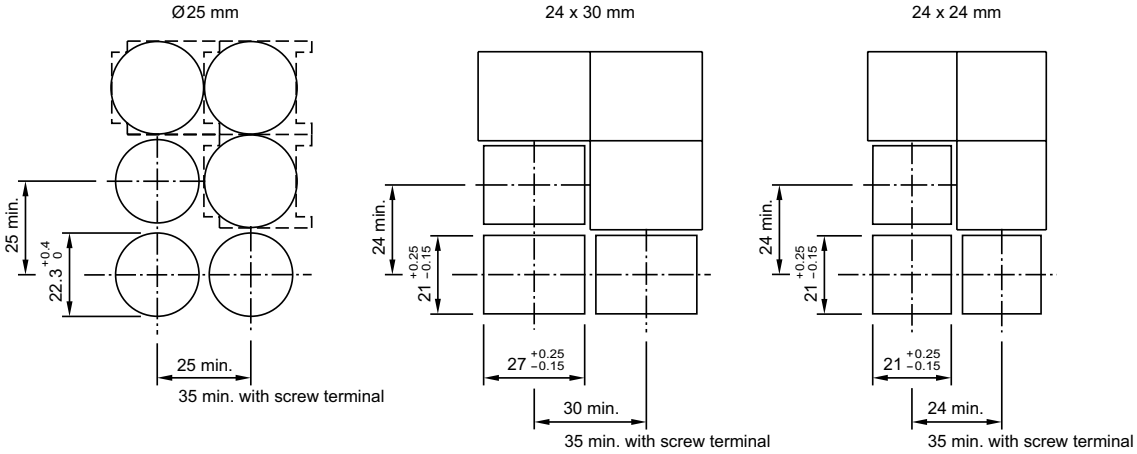
61 Cut-outs

Raised Indicators, Pushbuttons, Keylocks and Selectors



61 Cut-outs

Indicator Flush, Pushbutton Flush



61 Cut-outs, Emergency-Stop

ISO 13850, Twist release, Key release

