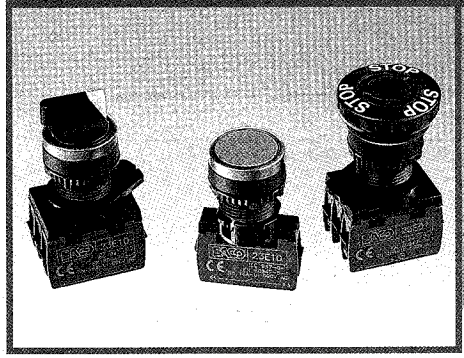
PUSHBUTTONS



DIA 22mm AUXIBLOC PLUS

- Flexible range
- Fast, easy, one hand mount
- Contacts delivered with open terminals
- Snap in mounting of contact blocks (No tools needed)
- IP 65 as standard on most types

TECHNICAL SPECIFICATION

Max Thermal Current (Ith) A	16
Max Fuse (A)	16
Insulation Voltage (Ui) VAC	600

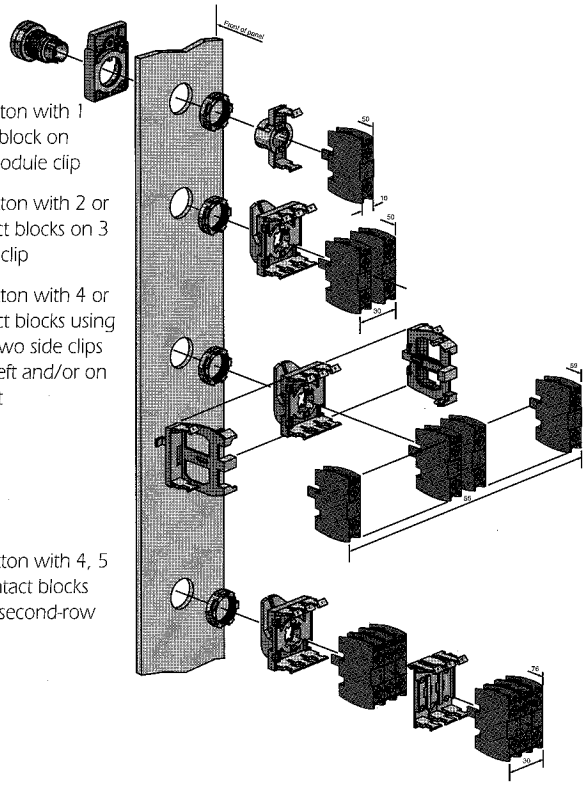
Rated AC Current (Ie) A	AC21	AC15
230 VAC	14	6
400 VAC	12	4.5
440 VAC	11	3.5
500 VAC	10	2.5
690 VAC	6	1
Rated DC Current (Ie) A	-	DC13
24 VDC	-	1.5
48 VDC	-	1
60 VDC	-	0.7
110 VDC	-	0.3
220 VDC	-	0.2

Operating Temperature	Deg C
Without Bulb	-30 - +60
Pilot Light	-30 - +60
Illuminated Pushbutton	-30 - +40
Storage Temperature	-50 - +80
Electrical Life (AC1) A	x10 6
2	3
6	1
10	0.5
14	0.2
Mechanical Life	3x10 6

Ingress Protection	IP
Standard	65
Twin/Triple Touch	40
Silicon Shroud	67

Approvals:

MODULAR BLOCKS FOR NON-ILLUMINATED PUSH BUTTONS



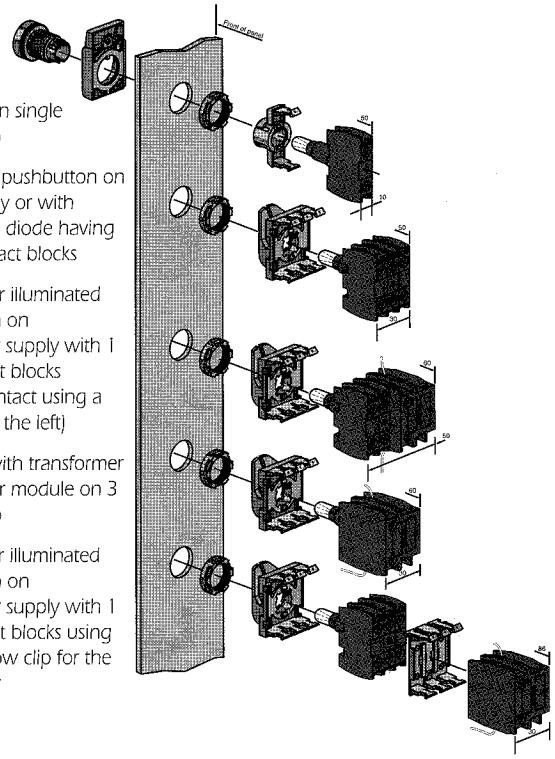
pushbutton with 1 contact block on single-module clip

pushbutton with 2 or 3 contact blocks on 3 module clip

pushbutton with 4 or 5 contact blocks using one or two side clips on the left and/or on the right

pushbutton with 4, 5 or 6 contact blocks using a second-row clip

MODULAR BLOCKS FOR ILLUMINATED PUSH BUTTONS AND PILOT LIGHTS



pilot light on single module clip

Illuminated pushbutton on direct supply or with resistor and diode having 1 or 2 contact blocks

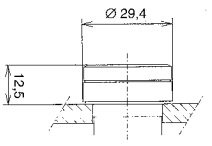
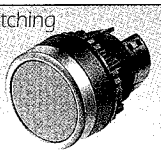
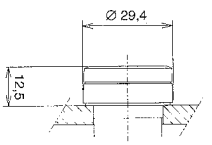
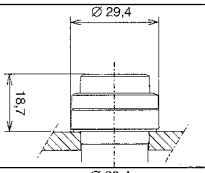
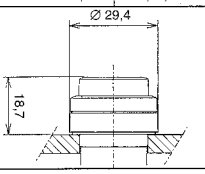
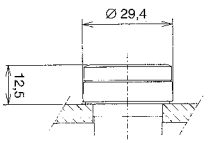
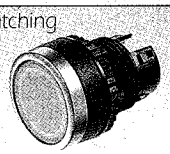
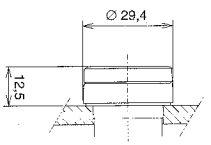
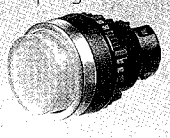
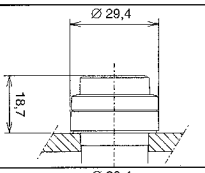
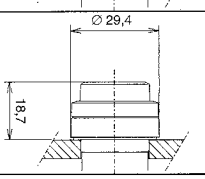
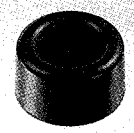
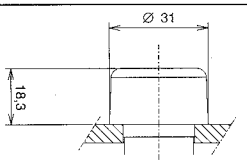
pilot light or illuminated pushbutton on transformer supply with 1 or 2 contact blocks (second contact using a side clip on the left)

Pilot light with transformer lamp holder module on 3 module clip

Pilot light or illuminated pushbutton on transformer supply with 1 or 2 contact blocks using a second-row clip for the transformer

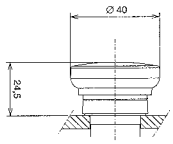
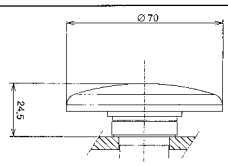
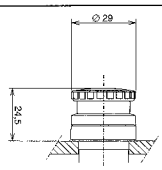
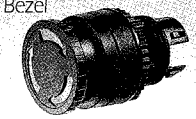
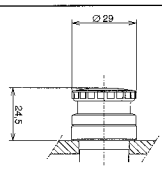
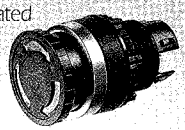
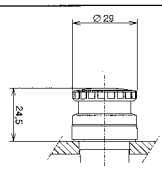
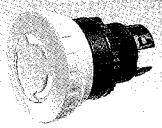
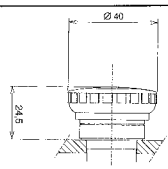
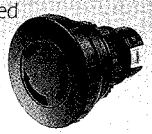
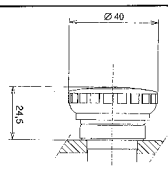
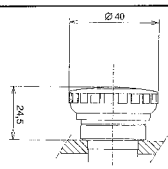
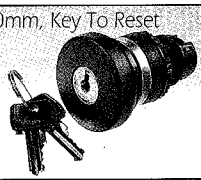
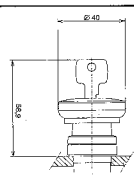
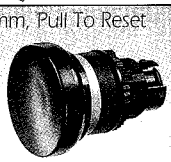
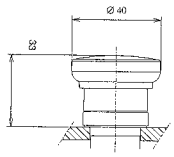
FREEPHONE 0800 7313186

PUSHBUTTON HEADS IP65

Non Illuminated	Dimensions	Red	Green	Black	Yellow	White	Blue
Flush Spring Return 		C21AA01	C21AA02	C21AA03	C21AA04	C21AA05	C21AA06
Flush Latching 		C21CA01	C21CA02	C21CA03	C21CA04	C21CA05	C21CA06
Non Flush Spring Return 		C21AB01	C21AB02	C21AB03	C21AB04	C21AB05	C21AB06
Non Flush Latching 		C21CB01	C21CB02	C21CB03	C21CB04	C21CB05	C21CB06
Illuminated	**Dimensions**	**Red**	**Green**	**Transp.**	**Yellow**	**White**	**Blue**
Flush Spring Return 		C21AH10	C21AH20	C21AH30	C21AH40	C21AH50	C21AH60
Flush Latching 		C21CH10	C21CH20	C21CH30	C21CH40	C21CH50	C21CH60
Non Flush Spring Return 		C21AK10	C21AK20	C21AK30	C21AK40	C21AK50	C21AK60
Non Flush Latching 		C21CK10	C21CK20	C21CK30	C21CK40	C21CK50	C21CK60
Silicon Shroud (IP67)	**Dimensions**	**Red**	**Green**	**Transp.**	**Yellow**	**Black**	**Blue**
		WA0203	WA0204	WA0228	WA0206	WA0205	WA0227
Black Plastic Bezel * 	* To order pushbuttons with black plastic bezel instead of mat chromed bezel, change the start of the part number from C21 to C22. Example pictured left = C22AA02.						

- Please enquire for details of engraved text or symbols on non illuminated pushbuttons
- For text or symbols on illuminated pushbuttons see WE15 inserts on page 140

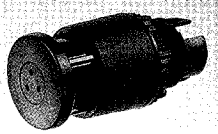
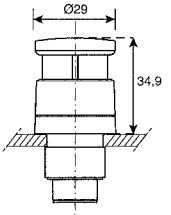
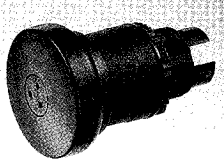
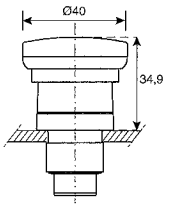
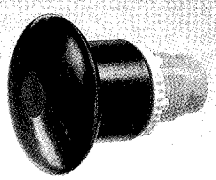
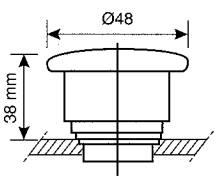
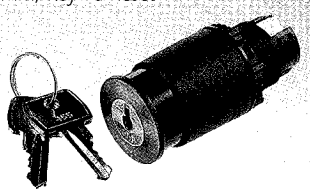
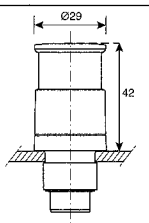
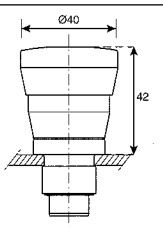
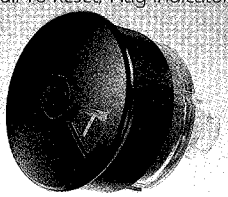
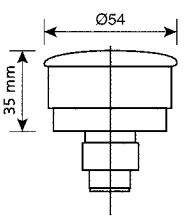
MUSHROOM HEADS

Mushroom Heads	Dimensions	Red	Green	Black	Yellow
Dia 40mm, Spring Return 		C23AD01	C23AD02	C23AD03	C23AD04
Dia 70mm, Spring Return 		C23AE01	-	C23AE03	-
Dia 29mm, Turn To Reset 		C21EC01	C21EC02	C21EC03	C21EC04
Dia 29mm, Turn To Reset, Black Bezel 		C22EC01	-	-	-
Dia 29mm, Turn To Reset, Illuminated 		C21EL10	-	-	-
Dia 40mm, Turn To Reset 		C23ED01	C23ED02	C23ED03	C23ED04
Dia 40mm, Turn To Reset, Illuminated 		C23EM10	C23EM20	-	-
Dia 40mm, Turn To Reset, 3 x STOP 		C23ED11	-	-	-
Dia 40mm, Key To Reset 		C21GM01	-	-	-
Dia 40mm, Pull To Reset 		C28DW01	-	-	-

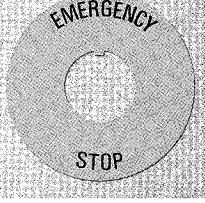
- Key reset mushroom heads supplied with 2 keys, profiel 455 as standard.
- Key profile 1424A also at no extra cost. Other profiles available at extra cost, details upon request.

EN 418 MUSHROOM HEADS

A complete range of Mushroom Heads conforming to the requirements of EN418 suitable for use in Emergency Stop applications.

EN 418 Mushroom Heads	Dimensions	Red
Dia 29mm, Pull To Reset 		C20DQ01
Dia 40mm, Pull To Reset 		C20DR01
Dia 48mm, Pull To Reset 		V10DV01
Dia 29mm, Key To Reset 		C20GQ01
Dia 40mm, Key To Reset 		C20GR01
Dia 54mm, Pull To Reset, Flag Indicator 		C20UA21

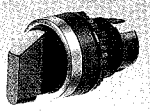
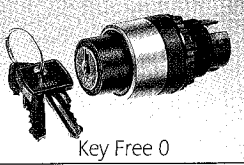
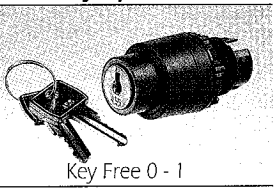
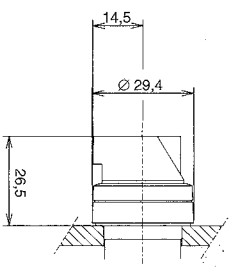
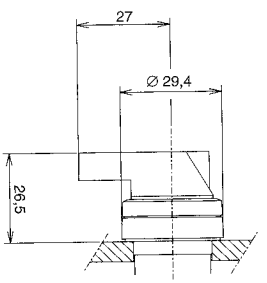
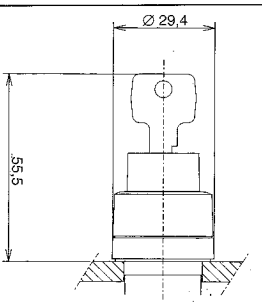
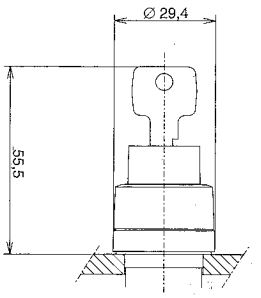
METAL 'EMERGENCY STOP' LEGEND PLATES

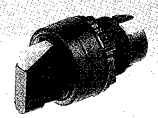
Dia 60mm & 80mm Metal Legend Plates		Dia 60mm "EMERGENCY STOP"	WE16-300
		Dia 80mm "EMERGENCY STOP"	WE00-300
		Dia 60mm Without text	WE16
		Dia 80mm Without text	WE00

- Key reset mushroom heads supplied with 2 keys, profile 455 as standard.

- Key profile 1242A also available at no extra cost. Other profiles available at extra cost, details upon request.

SELECTOR/KEY SWITCHES NON ILLUMINATED

Position	Small Handle	Lever Handle	Key Operated	Key Operated
Black Handle Mat Chromed Bezel			 Key Free 0	 Key Free 0 - 1
	C21KA03	C21KP03	C21LA00	-
	C21KB03	C21KQ03	-	-
	C21KC03	C21KR03	C21LC00	-
	C21KD03	C21KS03	C21LD00	-
	C21KE03	C21KT03	-	C21LG00
	C21KF03	-	C21LF00	C21LH00
	C21MA03	C21MR03	C21NA00	-
	C21MB03	C21MS03	-	-
	C21MC03	C21MT03	C21NC00	-
	C21MD03	C21MU03	C21ND00	-
	C21MK03	-	-	C21NK00 Key Free 1-0-2
Dimensions				



Black Plastic Bezel*

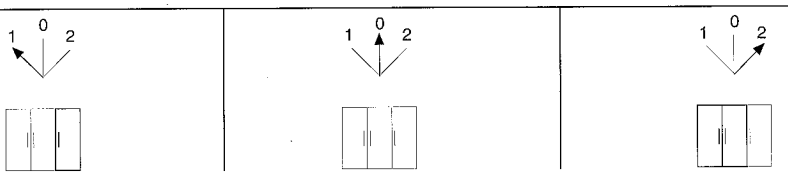
* To order selector/key switches with black plastic bezel instead of mat chromed bezel, change the start of the part number from C21 to C22.
Example pictured left = C22KA03, top right = C22LA00

Working Diagram of Contacts



not actionned actionned

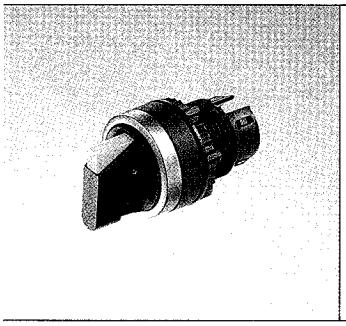
Position and contact view from front

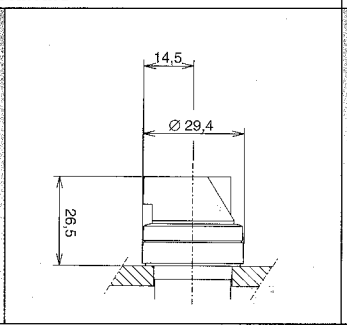


- **Key switches supplied with 2 keys, profile 455 standard. Key profile 1424A also available at no extra cost.**
- **Other profiles available at extra cost, details upon request. Non illuminated selector switchews are also available in Red, Green & Grey.**
- **Please enquire for further details.**

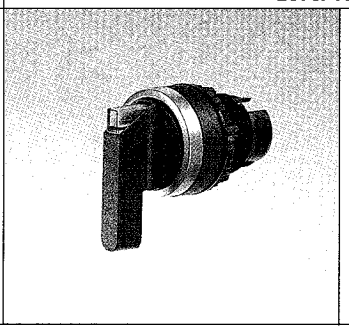
SELECTOR SWITCHES ILLUMINATED

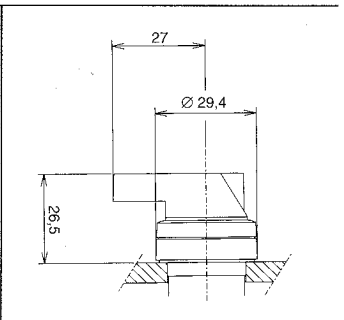
Small Handle





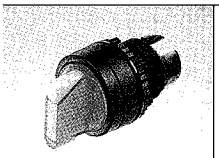
Lever Handle





Illuminated switches in Red, Green, Yellow & Blue have coloured transparent handle with translucent white index
Illuminated switches in Black have solid black handle with transparent colourless index

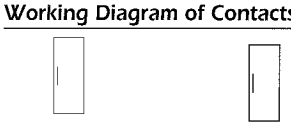
Position	Handle	Red	Green	Black	Yellow	Blue
0 1	Small Lever	C21KG51 -	C21KG52 -	C21KG53 C21KV53	C21KG54 -	C21KG56 -
0 1	Small Lever	C21KJ51 -	C21KJ52 -	C21KJ53 C21KX53	C21KJ54 -	C21KJ56 -
0 1	Small Lever	C21KK51 -	C21KK52 -	C21KK53 C21KY53	C21KK54 -	C21KK56 -
0 1	Small Lever	C21KM51 -	C21KM52 -	C21KM53 -	C21KM54 -	C21KM56 -
1 0 2	Small Lever	C21ME51 -	C21ME52 -	C21ME53 C21ML53	C21ME54 -	C21ME56 -
1 0 2	Small Lever	C21MF51 -	C21MF52 -	C21MF53 C21MM53	C21MF54 -	C21MF56 -
1 0 2	Small Lever	C21MG51 -	C21MG52 -	C21MG53 C21MN53	C21MG54 -	C21MG56 -
1 0 2	Small Lever	C21MH51 -	C21MH52 -	C21MH53 C21MP53	C21MH54 -	C21MH56 -
0 1 2	Small Lever	C21MJ51 -	C21MJ52 -	C21MJ53 -	C21MJ54 -	C21MJ56 -



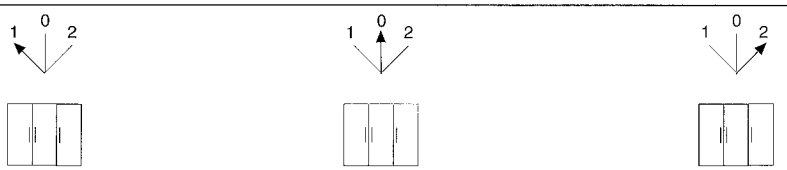
Black Plastic Bezel*

* To order an illuminated selector switch with black plastic bezel instead of mat chromed bezel, change the start of the part number from C21 to C22.
Example pictured left = C22KG54

Working Diagram of Contacts



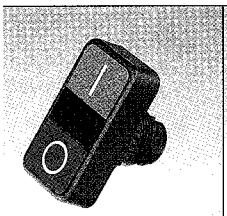
Position and contact view from front

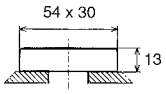


FREEPHONE 0800 7313186

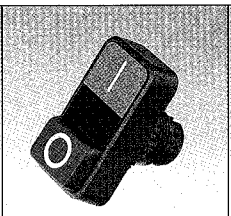
SPRING RETURN TWIN & TRIPLE TOUCH BUTTONS IP40

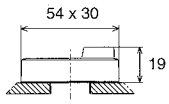
Without Indicator Light



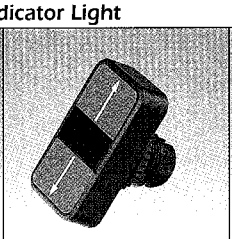


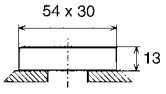
V62QA02



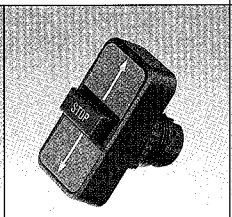


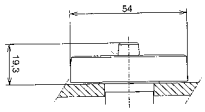
V62QB02





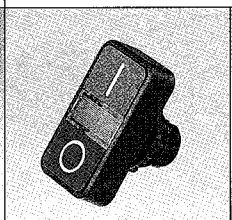
V62QA11

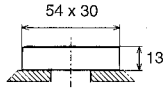




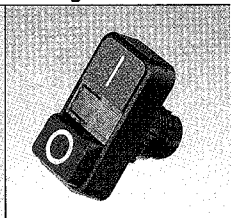
V62B051

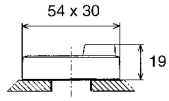
With Indicator Light





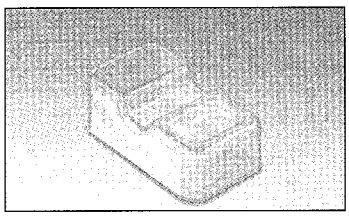
V62QH02



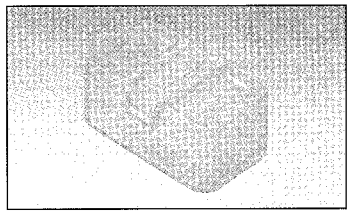


V62QK02

Silicon Shroud (IP67)



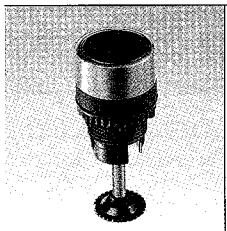
WA0223
For Projecting Twin/Triple Touch

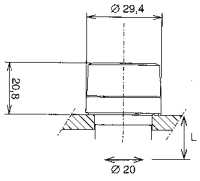


WA0224
For Non Projecting Twin/Triple Touch

PUSHBUTTON ACCESSORIES

Adjustable Push/Reset Button

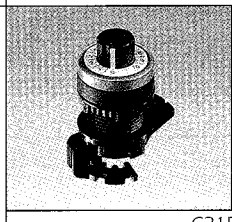


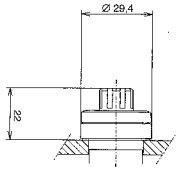


L=26mm - 63mm
Travel=11mm

Red	C21HA01
Green	C21HA02
Black	C21HA03
Yellow	C21HA04
Blue	C21HA06

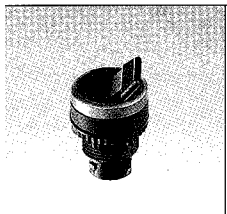
Button For Potentiometer

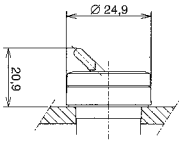




C21RP03

Toggle Switch
2 Position

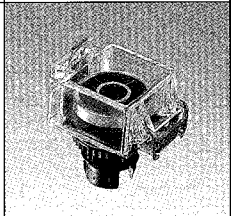




Stable
Spring Return

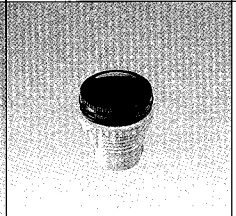
C21PA03
C21PB03

Padlockable Cap
For Pushbuttons



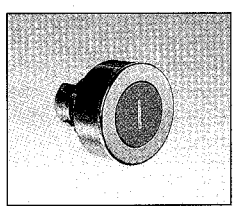
WA0226

Blanking Plug
For Dia 22mm Hole



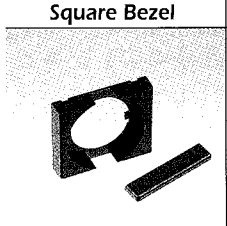
Black WA0229
Grey WA0215

Super Flush Mount Adaptor Kit
Standard Pushbuttons In Dia 30mm Hole



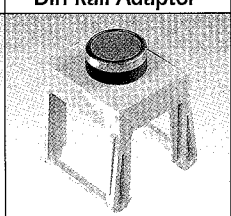
WKS024

Square Bezel



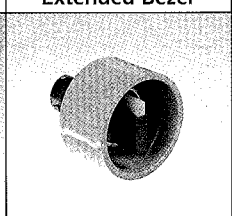
Bezel WA0230
End Piece WA0231

Din Rail Adaptor



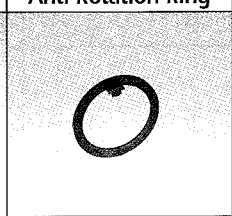
WA0238

Extended Bezel



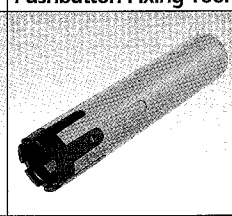
WA0225

Anti Rotation Ring



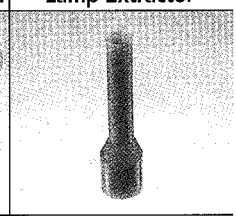
WA0209

Pushbutton Fixing Tool



WA0234

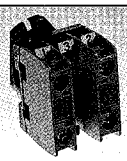
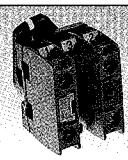
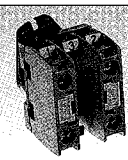
Lamp Extractor



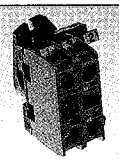
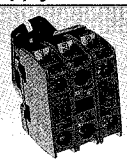
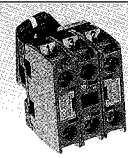
WA0201

COMPLETE CONTACT BLOCKS

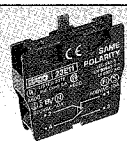
Without Lampholder For Non Illuminated Switches

				
1 x N/C Single Clip	1 x N/O Single Clip	2 x N/C 3 Module Clip	1 x N/C + 1 x N/O 3 Module Clip	2 x N/O 3 Module Clip
230E01	**230E10**	**233E02**	**233E11**	**233E20**

With 23EA Lampholder (Direct Supply 400V/2W Max) For Illuminated Switches

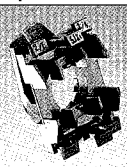
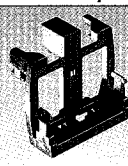
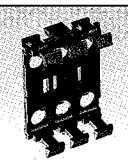
				
1 x N/C 3 Module Clip	1 x N/O 3 Module Clip	2 x N/C 3 Module Clip	1 x N/C + 1 x N/O 3 Module Clip	2 x N/O 3 Module Clip
233EA01	**233EA10**	**233EA02**	**233EA11**	**233EA20**

CONTACT MODULES/LAMPHOLDERS

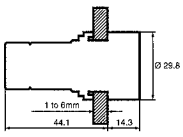
N/C Contact	N/O Contact	N/C & N/O Contact	Lampholder	Lampholder
				
		For Use With 234E Clip Only	Direct Supply 400V/2W Max	230V Supply For 130V/2W Lamp
23E01	**23E10**	**23E11**	**23EA**	**23ECJG**

Please note contact blocks and lampholders are subject to a colour change from brown to grey commencing early 1998.

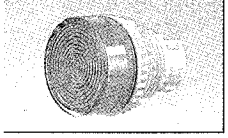
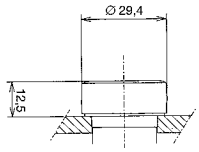
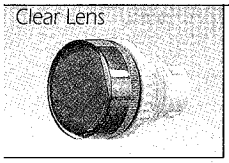
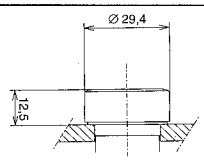
CLIPS

Single Clip	3 Module Clip	Clip For 23E11	Side Clip	Second Row Clip
				
		For Use With 23E11 Contact Block Only		
230E	233E	234E	235E	236E

ONE PIECE PILOT LIGHTS

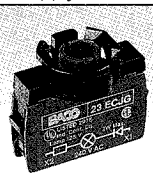
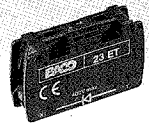
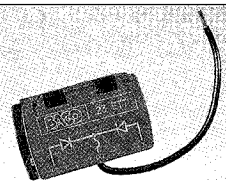
Type		Red	Green	Transp.	Yellow	White	Blue
	Direct Supply 400V/2W Max (Bulb Excluded)	S20SA10	S20SA20	S20SA30	S20SA40	S20SA50	S20SA60
	Supply 230V Bulb 130V (Bulb Included)	S20JA10C	S20JA20C	S20JA30C	S20JA40C	S20JA50C	S20JA60C

LENSES

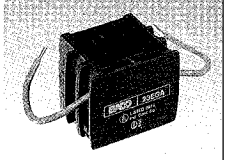
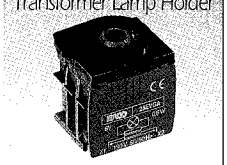
Type		Red	Green	Transp.	Yellow	White	Blue
Ribbed Lens 		C20SA10	C20SA20	C20SA30	C20SA40	C20SA50	C20SA60
Clear Lens 		C20SB10	C20SB20	C20SB30	C20SB40	C20SB50	C20SB60

For WE18 Text/Symbol Insert see page 140.

LAMPHOLDERS & ACCESSORIES

Lampholder & Clip Direct Supply 400V Max	Lampholder & Clip 230V Supply 130V Lamp	Empty Module	Diode Module Single Diode	Diode Module Two Diodes
				
230EA	230ECJG	23EX	23ET	23ETT

TRANSFORMER BLOCKS

Type		130V - 6V	240V - 6V	400V - 6V	130V - 12V	240V - 12V	400V - 12V
Transformer Block 	For pilot light and illuminated button Side / rear mounted on 233E / 236E	23EGA	23EJA	23ELA	23EGB	23EJB	23ELB
Transformer Lamp Holder 	For pilot light only C20SAxx / C20SBxx Supplied complete with 233E clip	233EVGA	233EVJA	233EVLA	233EVGB	233EVJB	233EVLB

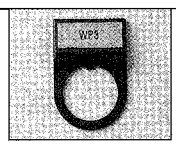
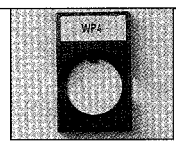
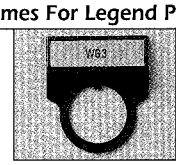
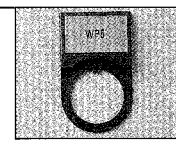
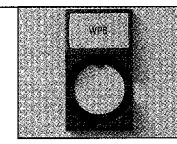
Please note contact blocks and lampholders are subject to a colour change from brown to grey commencing early 1998.

LAMPS BA9S DIA 10mm x 28mm

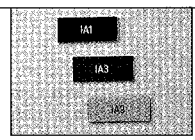
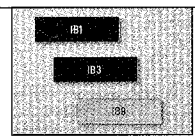
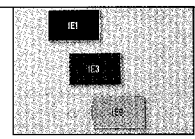
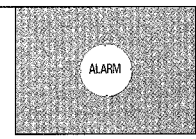
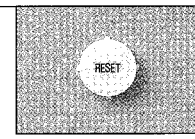
Type	Volts AC/DC	Watts	Part Number
Filament Lamp	6	1.1	WDL006
Filament Lamp	12	2	WDL012
Filament Lamp	30	2	WDL030
Filament Lamp	48	2	WDL048
Filament Lamp	130	2	WDL130
Neon	220	-	WDN220
Neon Fluorescent Green	220	-	WDF220
Red LED Lamp	24	-	WDR024
Green LED Lamp	24	-	WDG024
Yellow LED Lamp	24	-	WDY024

LEGEND PLATES

Frames For Legend Plates

				
30mm x 45mm For Plate Type IA	30mm x 48mm For Plate Type IA	40mm x 45mm For Plate Type IB	30mm x 50mm For Plate Type IE	30mm x 53mm For Plate Type IE
WP3	WP4	WG3	WP5	WP6

Legend Plates/Inserts Blank

	IA	IB	IE	WE15	WE18
					
	26mm x 10.5mm Frame WP3 / WP4	36mm x 10.5mm Frame WG3	26mm x 16mm Frame WP5 / WP6	Dia 17mm Pushbutton Insert	Dia 22mm Lamp Lens Insert
No Of Rows	1 - 2	1 - 2	1 - 2 - 3	1 - 2	1 - 2
Characters Per Row	13	18	13	8	8
Character Height	3mm	3mm	3mm	3mm	3mm
Red	IA1	IB1	IE1	-	-
Black	IA3	IB3	IE3	-	-
Transparent	IA7	IB7	IE7	WE15	WE18
Aluminium	IA9	IB9	IE9	-	-

Standard Legend Plates / Inserts With Text

Alarm	IA9-521	IB9-521	IE9-521	WE15-521	WE18-521
Auto	IA9-513	IB9-513	IE9-513	WE15-513	WE18-513
Close	IA9-314	IB9-314	IE9-314	WE15-314	WE18-314
Down	IA9-336	IB9-336	IE9-336	WE15-336	-
Fast	IA9-310	IB9-310	IE9-310	WE15-310	-
Forward	IA9-305	IB9-305	IE9-305	WE15-305	-
Hand	IA9-524	IB9-524	IE9-524	WE15-524	WE18-524
Hand -0- Auto	-	IB9-591	-	-	-
Hand - Auto	-	IB9-583	-	-	-
Index Down	-	-	-	WE15-3308	-
Index Up	-	-	-	WE15-3307	-
Jog	IA9-328	IB9-328	IE9-328	-	-
Lower	IA9-308	IB9-308	IE9-308	WE15-308	-
Off	IA9-304	IB9-304	IE9-304	WE15-304	WE18-304
On	IA9-303	IB9-303	IE9-303	WE15-303	WE18-303
Open	IA9-313	IB9-313	IE9-313	WE15-313	-
Power On	IA9-330	IB9-330	IE9-330	WE15-330	WE18-330
Raise	IA9-307	IB9-307	IE9-307	WE15-307	-
Reset	IA9-315	IB9-315	IE9-315	WE15-315	WE18-315
Reverse	IA9-306	IB9-306	IE9-306	WE15-306	-
Run	IA9-327	IB9-327	IE9-327	WE15-327	WE18-327
Running	IA9-3326	-	-	-	-
Slow	IA9-309	IB9-309	IE9-309	-	-
Start	IA9-301	IB9-301	IE9-301	WE15-301	-
Stop	IA9-302	IB9-302	IE9-302	WE15-302	-
Tripped	IA9-3327	-	-	-	-
Up	IA9-335	IB9-335	IE9-335	WE15-335	-
0 - I	IA9-081	IB9-081	IE9-081	-	-
0 - I - Start	IA9-093	IB9-093	IE9-093	-	-
I - 0 - II	IA9-091	IB9-091	IE9-091	-	-
↑	-	-	-	WE15-A01	-
⊘	-	-	-	WE15-B62	-
⊕	-	-	-	WE15-A28	-
⊖	-	-	-	WE15-A29	-
I	-	-	-	WE15-A69	-
◎	-	-	-	WE15-A70	-

Legend plates can be custom engraved to your requirements within 24 hours, please enquire for further details.

FREEPHONE 0800 7313186