

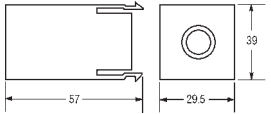
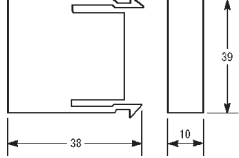


E22 Series - Push-pull operators - light source units

Light source units – push-pull operators *BA9s bayonet fitting. Bulb supplied with unit*

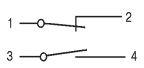

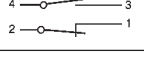
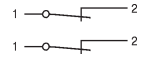
	Description	Supply voltage		Catalogue numbers	Overall dimensions (mm)	Weight (kg)
		50Hz	60Hz			
	Transformer (10) 6V secondary	110	120	E22TL1		0.08
		240	240	E22TL2		0.08
		380/415	–	E22TL3		0.08
		440	480	E22TL4		0.08
	Resistor unit	110/120V 60V bulb		E22R2		0.018
	Direct voltage	6.3V (1W) 12V (1.2W) 24V (1.2W) 50V (1W) 60V (1.2W)		E22D6 E22D12 E22D24 E22D50 E22D60		0.018 0.018 0.018 0.018 0.018
		Without bulb		E22D		0.018

Bulbs For use with E22D above. See page 8 for LED type bulbs.

Description	Operating voltage	Catalogue numbers	Operating voltage	Catalogue numbers
Type BA9s	6 (1W) flasher	28-2225-26	24 (1.2W)	28-2225-30
bayonet	6.3 (1W)	28-2225-72	50 (1W)	28-2225-31
bulb	12 (1.2W)	28-2225-29	60 (1.2W)	28-2225-32

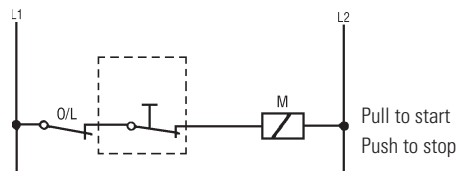
Contact block selection chart *See note 13*

0 = circuit open X = circuit closed

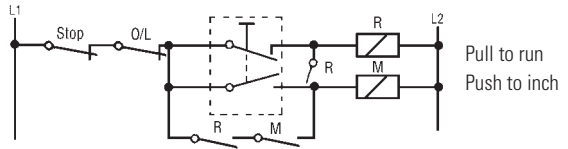
2 position push-pull		Circuit	Catalogue numbers	3 position push-pull			Circuit	Catalogue numbers
Pulled	Pushed			Pulled	Centre	Pushed		
X	0		E22B1 E22B2	X	0	0		E22B1 E22B4
0	X			X	X	0		
0	X		E22B11 E22B20	X	0	0		E22B1 E22B5
0	X			0	0	X		

Typical push-pull applications *BA9s bayonet fitting. Bulb supplied with unit*

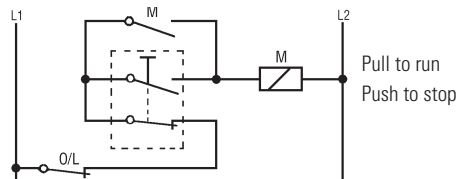
2 position push-pull with E22B1



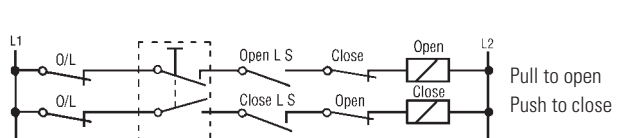
3 position push-pull with E22B1 & E22B5



3 position push-pull with E22B1 & E22B4


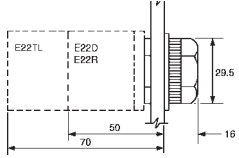


3 position push-pull with E22B1 & E22B5


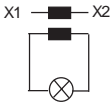
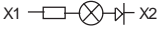


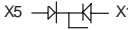

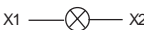


E22 Series - Indicating lights, light sources and bulbs

Indicating lights with plastic lens

Description		Lens colour	Catalogue numbers Standard lens	Lens suitable for printing (7)	Overall dimensions (mm)
	Standard	Red	E22H2	E22A2	
	Printable	Green	E22H3	E22A3	
		Yellow	E22H4	E22A4	
		White	E22H5	E22A5	
		Blue	E22H6	E22A6	
		Amber	E22H9	E22A9	
		Clear	E22H0	E22A0	
Weight 0.023kg					

Light source units *BA9s bayonet fitting. Bulb supplied with unit.*

Description Operator unit	Circuit diagram	Supply voltage 50Hz	60Hz	Catalogue numbers	Weight (kg)
 Transformer (10) 6V secondary		110	120	E22TL1	0.08
		240	220	E22TL2	0.08
		380/415	—	E22TL3	0.08
		440	480	E22TL4	0.08
Resistor/Diode (110V bulb) (8) Resistor unit (60V bulb)		220/240ac		E22R1	0.018
		110/120ac		E22R2	0.018
Single diode unit Double diode unit		6 – 120dc		E22D1	0.018
		6 – 120dc		E22D2	0.018
 Direct voltage		6Vdc (1W)		E22D6	0.018
		12Vdc (1.2W)		E22D12	0.018
		24Vdc (1.2W)		E22D24	0.018
		50Vdc (1W)		E22D50	0.018
		110Vdc (2.2W) (8)		E22D110	0.018
		Without bulb		E22D	0.018

For operator light source units with push-on terminals add the letter **F** to the light source catalogue number eg **E22TLF1**

Bulbs

Filament and Neon type bulbs For use with E22D and E22R above.

Description	Operating voltage	Catalogue numbers	Description	Operating voltage	Catalogue numbers
Filament type	6V (1W) flasher	28-2225-26	Neon type	50V (1W)	28-2225-31
	6.3V (1W)	28-2225-72		60V (1.2W)	28-2225-32
	12V (1.2W)	28-2225-29		110V (2.2W) (8)	28-2225-24
	24V (1.2W)	28-2225-30		110V (0.8mA)	28-2225-48
	28V (1.12W)	28-2225-73		240V (1.5mA)	28-2225-49

LED bulbs

Colour	Catalogue numbers				Voltage code	
	Upto 60Vac/dc	120Vac	120Vdc	135Vac/dc	Voltage	Code
Blue	E22LED*BN	E22LED120BA	E22LED120BD	E22LED135BD	10Vac – 6Vdc	006
Green	E22LED*GN	E22LED120GA	E22LED120GD	E22LED135GD	12Vac – 12Vdc	012
Orange	E22LED*ON	E22LED120OA	E22LED120OD	E22LED135OD	24Vac – 24Vdc	024
Red	E22LED*RN	E22LED120RA	E22LED120RD	E22LED135RD	35Vac – 35Vdc	035
White	E22LED*WN	E22LED120WA	-	E22LED135WD	48Vac – 48Vdc	048
Yellow	E22LED*YN	E22LED120YA	E22LED120YD	E22LED135YD	60Vac – 60Vdc	060

*Add voltage code alongside to complete catalogue number