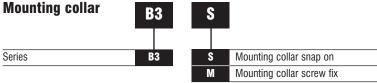
Pushbuttons B3

- IP65 protection
- Opaque or illuminated
- Metal or Black bezels
- Snap-on contact blocks
- Colour coded contacts
- Pushbutton stations
- International approvals including UL and CSA

Options and ordering codes

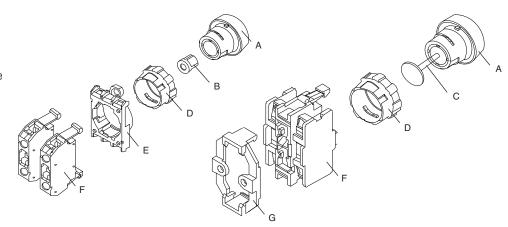
To order - select actuator + mounting collar + contacts

Actuator	BS	3	D	Green	
Metal bezel	В			Colour	Refer to colours
Black bezel	BS			Colour	available
Chrome bezel	BC				
		1	D	Flush	
Actuator 22.5mm		3	DL	Flush illuminated	
			Р	Mushroom	
			K	Rotary	
			KR	Rotary lever	
			A	Key operated	
			R	Lens cap	
			DLBR	Flush maintained	
			DT	Twin head	
			DR	Flush maintained	
			DLR	Flush illuminated	maintained
Mounting co	ollar	B3	S		



Exploded view

- A Actuator or lens cap.
- **B** P642 insert for use with contact in centre position
- **C** B4V extension bar
- **D** Locking ring
- E Mounting collar
- **F** Contact blocks/lampholders
- G Base/DIN rail mount

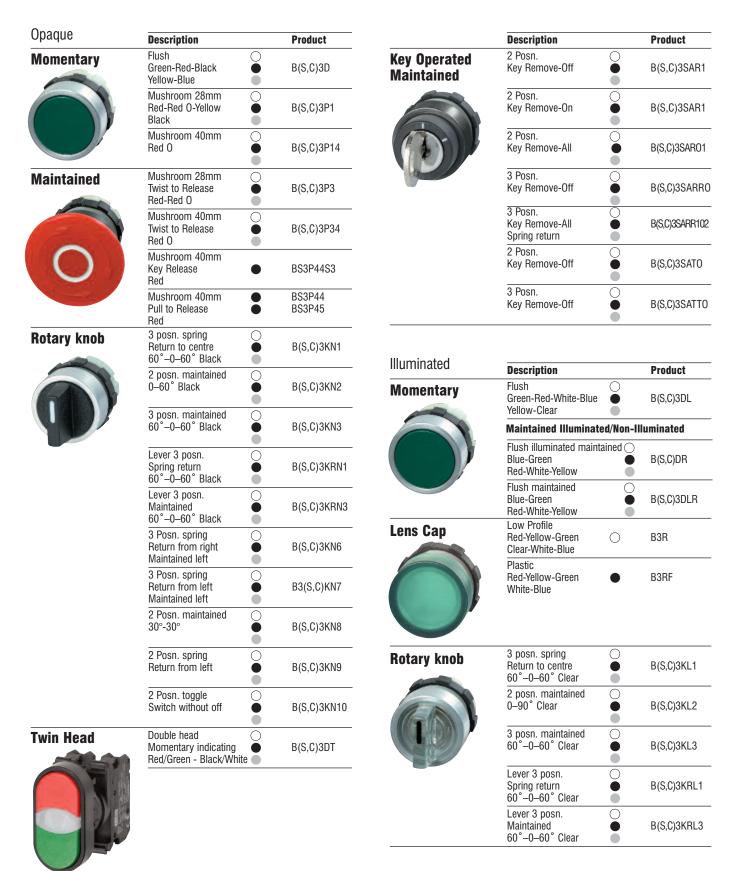






Pushbuttons B3 continued

Selection and product ordering codes OMetal Bezel Black Bezel Chrome Bezel



Pushbuttons B3 continued

Options and ordering codes



B4 TU 01 F **B**4 Series **B**3 Contact block T Contact block inverted TU terminals 1 break 01 1 make 10 Lamp holder F Lamp holder with series resistor FW Lamp holder with transformer FST

Description

Lamps BA9S

Neon 240V 110V

6V 24V 42V 1.2W 130V 2.6W Lamp

Accessories



Legend plate with holder Holder Blank	P751
	BK4-9736
Legends-start-stop-reset-	DI/ 1 50
fwd–rev–hoa	BK4 _ LEG
Mounting Collars	B3S/B3M
Base or DIN mounting adaptor	B4U
Sealing shroud 0 to 50°C	P279-1
Sealing shroud -40 to $+60^{\circ}$ C	P279-2
Spare key	B4-R455
Adaptor ring for 30.5mm holes	B4-7282
Coupler for BKLG enclosures	B4-8852
Actuator – insert for centre	
position	P642
Push button wrench	J7049
Contacts for use with enclosures	
1 make	B4TU10
1 break	B4TU01
2 makes	B4TU20
2 breaks	B4TU02
1 make + 1 break	B4TU11
With lamp holder	
1 make	B4TU10F
1 break	B4TU01F
2 makes	B4TU20F
2 breaks	B4TU02F
1 make + 1 break	B4TU11F



Product

Neon _

V

V







DescriptionProduct1 makeB3T101 breakB3T01

Lamp holder and contact assemblies



Contact assemblies

Description	Product
Lamp holder only (1.7W max) Lamp holder with dropper resistor	B3F
110 or 230V AC – down to 42V	B3FW
Lamp holder with series resistor 230 down to 130V 2.6W	B3FR
Lamp holder and transformer 230 or 415V AC – down to 6V	B4FST
Transformer only 230 or 415V AC – down to 6V	B4ST

Description	Product
Contacts for use with enclos	ures
With series resistor 110 or 24	OV AC
to 42V lamp 1 make	B4TU10FW
1 break	B4TU01FW
Lamp base only for BA9S	B4FU
Lamp base and resistor 110 c	or 240V AC
to 42V lamp	B4FWU
Transformer and lamp base 2	40 or
415V to 6V lamp	B4FSTU

Enclosures	
Single	BG1
Single with yellow lid	BG1YEL
Double	BG2
Triple	BG3

Assembled units

ellow BG10P34
w BG10P44S3
with BG20
C BG10P34P
nm BG10P14PGR



Pushbuttons B3 continued

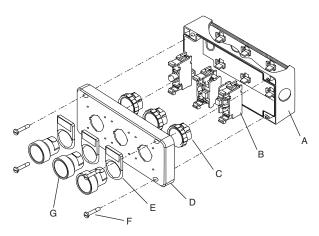


Technical data

Terminal markings for control units according to DIN EN 50013

Distinc. Contacts number elements $10 \mu - \int_{1.4}^{1.3}$	Distinc. Contacts number elements	Distinc. Contacts number elements	Distinc. Contacts number elements	Distinc. Contacts number elements	The actuators of the contact blocks are colour coded, green for NO, red for NC. The colour code permits to know the function of contacts at first sight and gives additional safety against wrong wiring.
13 23 20 +				11 21 02 +	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$				03	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	13 21 33 43 1 1 1 1 31 1		13 21 31 41 13 41 14 22 32 42	11 21 31 41 04 →	

Exploded view enclosure assembly



- **A** Enclosure base with built in contact block clips **B** Contact blocks/lamp holders

- C Locking ring D Enclosure lid E Legend plates
- **F** Captive screws (after screw in) loose in enclosure on delivery
- **G** Actuators and lens caps

Specification

Data according to IEC947-5-1, VDE	0660, EN60	947-5-1	
Rated insulation voltage		V AC	500
AC12 – resistive loads	220-240V	А	10
	380-415V	А	10
AC15 – Electromagnetic loads	220-240V	А	6
	380-415V	А	5
DC12 - resistive L/R = 1mS	24V	А	10
	60V	А	6
	110V	А	2.5
	220V	А	0.8
DC14 - Electromagnetic L/R = 15mS	24V	А	8
DC14 – With economy resistors	60V	А	1
-	110V	А	2
	220V	А	0.5
DC13 - Electromagnets L/R = 300mS	24V	А	2
-	60V	А	5
	110V	А	0.5
	220V	А	0.2
Mechanical life Millions o	f operations		10
Contact life (AC15)	· ·		
	f operations		10
300VA 800VA			3 1
1200VA			0.5
Maximum frequency of operations 0	ps per hour		600
Short circuit protection	slow gL	A	10
Ambient temperature		°C	-20 to +50
Cable cross-section	Solid	mm ²	0.5 – 2.5
	Flexible	mm ²	0.5 – 2.5
Cable	s per clamp		2
Mounting hole		Ømm	22.5
Mounting position			Optional
Terminal screws		Pozidrive No	2 screws 3.5

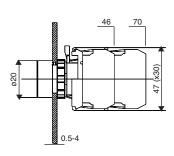
Colour Codes

$Pushbuttons \ B3 \ {\rm continued}$



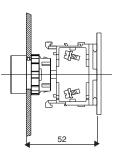
Dimensions (mm)

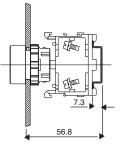
Panel mounting



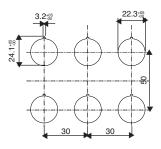
Base mounting

DIN-rail mounting





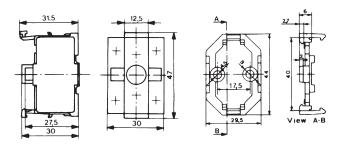
Mounting holes



Dimensions of minimum space requirements (according to EN 50007 and IEC337-2C). Take to consideration the field of traverse of swing knobs (27mm) and the diameter of mushroom heads.



Base B4U



Enclosures for Custom Built Stations

Three conduit entries (knockouts), each on top, left and right side, suitable for Pg 13.5. Version "CSA" with three knockouts Ø 22.2mm.

