

Characteristics

Conformity to standards		IEC 947-5-1	
Product certifications		UL and CSA; C€	
Ambient air temperature	Operation	°C	- 25...+ 40
	Storage	°C	- 40...+ 70
Electric shock protection		Class II (conforming to IEC 536)	
Degree of protection		IP 40 (conforming to IEC 529)	
Rated insulation voltage		Ui = 250 V (conforming to IEC 947-1)	
Rated operational characteristics to IEC/EN 60947-5-1 (AC-14)		D300	
Electrical durability to IEC/EN 60947-5-1 (AC-15) Appendix C			230 V ~ (VA)
		50,000 cycles	50
		500,000 cycles	20
Short-circuit protection conforming to IEC/EN 60947-5-1	A	2	
Cabling capacity		gG cartridge fuse conforming to IEC 269-1	
		Screw clamp connections	
	mm²	Min. with or without cable end: 1 x 0.34	
	mm²	Max. with cable end: 2 x 1.5	
Terminal referencing		NO; NC; C. CENELEC EN 50013	

Pushbuttons, circular head (Sold in lots of 10)

813651



XB7-EA●1

Description	Type of contact			Colour	Unit reference	Weight kg
	N/O	N/C	C/O			
Pushbuttons, spring return	1	—	—	Black	XB7-EA21	0.020
				Green	XB7-EA31	0.020
				Yellow	XB7-EA51	0.020
	—	1	—	Red	XB7-EA42	0.020
	—	—	1	Black	XB7-EA25	0.020
				Green	XB7-EA35	0.020
Pushbuttons, push and push-to-release				Red	XB7-EA45	0.020
	2	—	—	Black	XB7-EA23	0.020
				Green	XB7-EA33	0.020
	1	—	—	Black	XB7-EH21	0.020
				Green	XB7-EH31	0.020
	—	—	1	Black	XB7-EH25	0.020
				Green	XB7-EH35	0.020

Selector switches, circular head (Sold in lots of 10)

813644



XB7-ED21

813649



XB7-EG33

Description	Type of contact			Number, type and key withdrawal positions (1)	Unit reference	Weight kg
	N/O	N/C	C/O			
Standard black handle	1	—	—	2 stay put ✓	XB7-ED21	0.025
	1	1	—	2 stay put ✓	XB7-ED25	0.025
	2	—	—	3 stay put ↓	XB7-ED33	0.025
Key switch (key n° 455)	1	—	—	2 from LH position ↗	XB7-EG21	0.049
	2	—	—	3 from centre pos. ↘	XB7-EG33	0.049

Emergency stop mushroom head pushbuttons, Ø 40 (Sold in lots of 10)

813650



XB7-ES542

Description	Type of contact			Colour	Unit reference	Weight kg
	N/O	N/C	C/O			
Turn to release	—	1	—	Red	XB7-ES542	0.032
	1	1	—	Red	XB7-ES545	0.035
Turn to release key n° 455	—	1	—	Red	XB7-ES142	0.055
	1	1	—	Red	XB7-ES145	0.058

(1) The sign "↘" indicates the key withdrawal position.

Control and signalling units Ø 22 and 25

Harmony® style 7
 “Series E” standard monolithic pushbuttons, switches and pilot lights



XB7-EV04M



XB7-EV4●



XB7-EV8●

Pilot lights (Sold in lots of 10)

Supply	Description	Supply voltage V	Colour	Unit reference	Weight kg
Integral LED	—	~ 24	Green	XB7-EV03B	0.020
			Red	XB7-EV04B	0.020
			Yellow	XB7-EV05B	0.020
		~ 230	Green	XB7-EV03M	0.020
			Red	XB7-EV04M	0.020
			Yellow	XB7-EV05M	0.020
Direct	For incandescent ≤ 250 bulb (not included) (1) BA 9s base fitting		White	XB7-EV61	0.018
			Green	XB7-EV63	0.018
			Red	XB7-EV64	0.018
			Yellow	XB7-EV65	0.018
			Blue	XB7-EV66	0.018
			Clear	XB7-EV67	0.018
	For neon bulb ~ 230 (included) BA 9s base fitting		White	XB7-EV41	0.020
			Green	XB7-EV43	0.020
			Red	XB7-EV44	0.020
			Yellow	XB7-EV45	0.020
			Blue	XB7-EV46	0.020
			Clear	XB7-EV47	0.020
Direct through resistor	For incandescent ~ 230 130 V - 2.6 W bulb (included) BA 9s base fitting		White	XB7-EV71	0.020
			Green	XB7-EV73	0.020
			Red	XB7-EV74	0.020
			Yellow	XB7-EV75	0.020
			Blue	XB7-EV76	0.020
			Clear	XB7-EV77	0.020
	For 130 V - 2.6 W ~ 230 bulb (not included) BA 9s base fitting		White	XB7-EV710	0.020
			Green	XB7-EV730	0.020
			Red	XB7-EV740	0.020
			Yellow	XB7-EV750	0.020
			Blue	XB7-EV760	0.020
			Clear	XB7-EV770	0.020
Via integral transformer	For incandescent ~ 120 6 V - 1.2 W bulb (included) BA 9s base fitting	50/60 Hz	White	XB7-EV821	0.100
			Green	XB7-EV823	0.100
			Red	XB7-EV824	0.100
			Yellow	XB7-EV825	0.100
			Blue	XB7-EV826	0.100
			Clear	XB7-EV827	0.100
		~ 230 50/60 Hz	White	XB7-EV81	0.100
			Green	XB7-EV83	0.100
			Red	XB7-EV84	0.100
			Yellow	XB7-EV85	0.100
			Blue	XB7-EV86	0.100
			Clear	XB7-EV87	0.100

(1) Bulb rating for direct supply pilot lights: 250 V max; 2.6 W max.

Control and signalling units Ø 22 and 25

Harmony® style 7

"Series E" standard monolithic pushbuttons, switches and pilot lights



XB7-EW35●●

Illuminated pushbuttons, spring return, projecting push (Sold in lots of 10)

Description	Supply voltage V	Type of contact		Colour	Unit reference	Weight kg
		N/O	N/C			
Integral LED	--- 24	1	–	Green	XB7-EW33B1	0.022
				Red	XB7-EW34B1	0.022
				Yellow	XB7-EW35B1	0.022
		–	1	Red	XB7-EW34B2	0.022
	~ 230	1	–	Green	XB7-EW33M1	0.022
				Red	XB7-EW34M1	0.022
				Yellow	XB7-EW35M1	0.022
Direct supply for BA 9s neon bulb (included)	~ 230	1	–	Green	XB7-EW33A1	0.022
				Red	XB7-EW34A1	0.022
				Yellow	XB7-EW35A1	0.022
Direct supply for BA 9s incandescent bulb (not included) (1)	≤ 250	1	–	Green	XB7-EW3361	0.020
				Red	XB7-EW3461	0.020
				Yellow	XB7-EW3561	0.020



XB7-EH03●●

Illuminated pushbuttons, "Push and Push-to-release" (Sold in lots of 10)

Description	Supply voltage V	Type of contact		Colour	Unit reference	Weight kg
		N/O	N/C			
Integral LED	--- 24	1	–	Green	XB7-EH03B1	0.022
				Red	XB7-EH04B1	0.022
				Yellow	XB7-EH05B1	0.022
		–	1	Red	XB7-EH04B2	0.022
	~ 230	1	–	Green	XB7-EH03M1	0.022
				Red	XB7-EH04M1	0.022
				Yellow	XB7-EH05M1	0.022
Direct supply for BA 9s neon bulb (included)	~ 230	1	–	Green	XB7-EH03A1	0.022
				Red	XB7-EH04A1	0.022
				Yellow	XB7-EH05A1	0.022
Direct supply for BA 9s incandescent bulb (not included) (1)	≤ 250	1	–	Green	XB7-EH0361	0.020
				Red	XB7-EH0461	0.020
				Yellow	XB7-EH0561	0.020

Bulbs

Description	Voltage V	Power W	Colour	Sold in lots of	Unit reference	Weight kg

Incandescent bulbs, standard

BA 9s base fitting	6	1.2	–	100	DL1-CB006NSP	0.002
Ø 11 mm max.	24	2.0	–	100	DL1-CE024NSP	0.002
length 28 mm max.	130	2.4	–	100	DL1-CE130NSP	0.002

Incandescent bulbs, long life

BA 9s base fitting	6	1.2	–	10	DL1-CB006	0.002
Ø 11 mm max.	24	2.0	–	10	DL1-CE024	0.002
length 28 mm max.	130	2.4	–	10	DL1-CE130	0.002

Neon bulbs

BA 9s base fitting Ø 11 mm max. length 28 mm max.	220...240	–	Green	10	DL1-CS3220	0.002
				100	DL1-CS3220SP	0.002
			Blue	10	DL1-CS6220	0.002
				100	DL1-CS6220SP	0.002
			Orange	10	DL1-CS7220	0.002
			(2)	100	DL1-CS7220SP	0.002

(1) Bulb rating for direct supply pilot lights: 230 V max, 1.2 W max.

(2) For use with red, yellow or clear pilot lights.



DL1-CE●●●

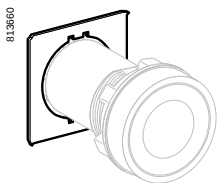


DL1-CS●●●●

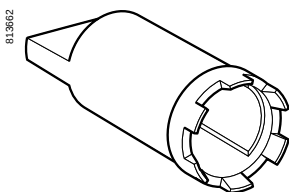
Accessories



ZB5-AZ901



ZB5-AZ902

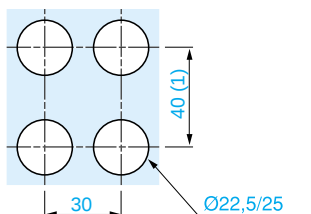


ZB5-AZ905

Description	Colour	Sold in lots of	Unit reference	Weight kg
Anti-rotation plate	–	10	ZB5-AZ902	0.008
Fixing nut	–	10	ZB5-AZ901	0.002
Bezel tightening tool	–	1	ZB5-AZ905	0.016
Lens caps for pilot lights	White	10	ZB7-EV01	0.002
	Green	10	ZB7-EV03	0.002
	Red	10	ZB7-EV04	0.002
	Yellow	10	ZB7-EV05	0.002
	Blue	10	ZB7-EV06	0.002
	Clear	10	ZB7-EV07	0.002

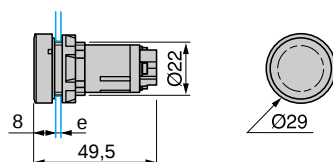
Dimensions

Panel cut-out

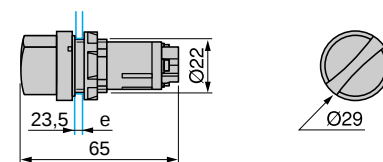


(1) Except XB7-EV8● : 50

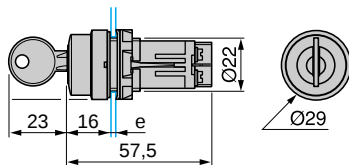
XB7-EA●●, XB7-EH●●



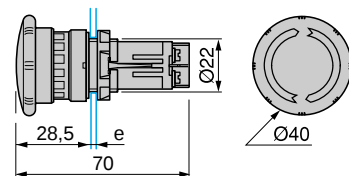
XB7-ED●●



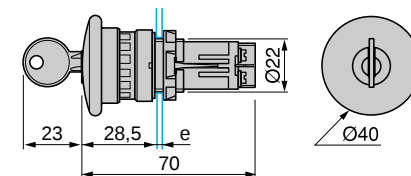
XB7-EG●●



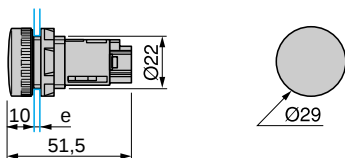
XB7-ES5●●



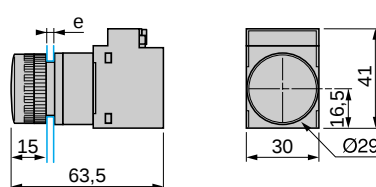
XB7-ES1●●



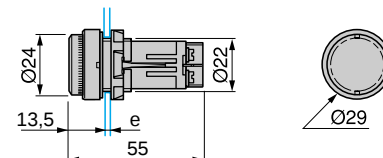
XB7-EV●●●



XB7-EV8●



XB7-EW3●●●, XB7-EH0●●●



e : panel thickness = 1 to 6 mm