

The essential guide Harmony control and signalling units

2012



Simplification of cabling

To quickly install a new hard-wired control on a conveyor system can prove problematic, since one has to take into account:

The length of cabling required, the cabling in the cabinet, the time required for fitting the cables in covers or existing cable ducting plus the time required for cabling the pushbutton.

Using the new wireless and batteryless pushbutton **Harmony XB5R**, only the cabling of the receiver in the cabinet has to be taken into account.

Tried and tested robustness

- > Robustness tried and tested in industrial environments
- > No risk of cable damage or screw terminals shaking loose on the transmitter
- > Less dust penetration (no cable entry)
- > Quality comparable to that of all the pushbuttons within the Harmony range.

Permanent availability

Harmony XB5R virtually eliminates maintenance and assures optimal availability of the function.

- > No battery to **replace, recharge** or **recycle**
- > **Non current consuming** transmitter pushbutton

XB5 R wireless and batteryless pushbutton

Save installation time and cost

This new offer provides savings in installation time and costs by totally eliminating cabling and associated accessories between the pushbutton and the electrical cabinet.

Ready to use packs

Select your solution from the 6 packs offered, which are designed to meet the requirements of the most common applications

> **Simple to order:** Only 1 reference

> **Easy to install:** Factory pre-programmed transmitter and receiver

Plastic head

XB5RFB01

Metal head

XB4RFB01

- Transmitter with plastic or metal pushbutton
- Non programmable receiver, 1 CO relay output

Plastic head

XB5RMB03

- Transmitter with plastic pushbutton ZB5R in ergonomic enclosure
- Non programmable receiver, 1 CO relay output

Plastic head

XB5RFA02

Metal head

XB4RFA02

- Transmitter with plastic or metal pushbutton
- Set of 10 pushbutton caps
- Programmable receiver, 2 CO relay outputs

Plastic head

XB5RMA04

- Transmitter with plastic pushbutton ZB5R in ergonomic enclosure
- Set of 10 pushbutton caps
- Programmable receiver, 2 CO relay outputs



Control and signalling units

Harmony, simple and innovative solutions that solve all your problems

World leader in control and signalling components, Schneider Electric continues its policy of innovation within the Harmony ranges in order to perfect the efficiency of your dialogue solutions.



Invest with complete peace of mind!



The assurance of finding the solution for any application

An offer unrivalled in content and complementarity
Optimised cost saving solutions due to increased flexibility of the offers, enabling multiple combinations and full compatibility



The assurance of reliable components in any situation

Robust products that comply to the highest quality standards



The assurance of saving valuable time

Simple selection and quick installation for all Harmony components

Contents



1 Pushbuttons, switches and pilot light



2 Cam switches



3 Signalling solutions



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Pushbuttons, switches and pilot lights

- Pushbuttons, switches and pilot lights Ø 16 with plastic bezel, **Harmony XB6** 2 to 4
- LED pilot lights Ø 8 and 12 **Harmony XVL** 5
- Pushbuttons, switches and pilot lights Ø 22 with metal bezel, **Harmony XB4** 6 to 9
- Pushbuttons, switches and pilot lights Ø 22 with plastic bezel, **Harmony XB5** 10, 11 and 14
- Wireless and batteryless pushbutton **Harmony XB5 R** 12 and 13
- Control stations **Harmony XAL** 15
- Monolithic pushbuttons, switches and pilot lights Ø 22 with plastic bezel, **Harmony XB7** 16 and 17
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(1):

Voltage	Letter (●)
12...24 V AC/DC (15 mA)	B
48...120 V AC (25 mA)	G
230...240 V AC (25 mA)	M



Illuminated pushbuttons

Type of head			Flush push			
Shape of head			  			
Degree of protection			IP 65 / Nema 4, 4X, 13 / Class II			
Mounting (mm)			panel cut-out mounting centres			
Dimensions (mm)			W x H x D (below head)			
Connection (3)			Tags for 2.8 x 0.5 Faston connectors or for soldering			
Type of push			Spring return			
			Complete products	Products for user assembly		
			12 ... 24 V AC/DC			
References	white	NO	XB6DW1B1B	ZB6E●1B (1)	ZB6Z1B	ZB6DW1
		NO + NC	XB6DW1B5B	ZB6E●1B (1)	ZB6Z5B	ZB6DW1
	green	NO	XB6DW3B1B	ZB6E●3B (1)	ZB6Z1B	ZB6DW3
		NO + NC	XB6DW3B5B	ZB6E●3B (1)	ZB6Z5B	ZB6DW3
	red	NC	XB6DW4B2B	ZB6E●4B (1)	ZB6Z2B	ZB6DW4
		NO + NC	XB6DW4B5B	ZB6E●4B (1)	ZB6Z5B	ZB6DW4
	yellow	NO	–	ZB6E●5B (1)	ZB6Z1B	ZB6DW5
		NO + NC	XB6DW5B5B	ZB6E●5B (1)	ZB6Z5B	ZB6DW5
Type of push			Latching			
References	white	NO	–	ZB6E●1B (1)	ZB6Z1B	ZB6DF1
		NO + NC	XB6DF1B5B	ZB6E●1B (1)	ZB6Z5B	ZB6DF1
	green	NO	XB6DF3B1B	ZB6E●3B (1)	ZB6Z1B	ZB6DF3
		NO + NC	XB6DF3B5B	ZB6E●3B (1)	ZB6Z5B	ZB6DF3
	red	NC	XB6DF4B2B	ZB6E●4B (1)	ZB6Z2B	ZB6DF4
		NO + NC	XB6DF4B5B	ZB6E●4B (1)	ZB6Z5B	ZB6DF4
	yellow	NO	–	ZB6E●5B (1)	ZB6Z1B	ZB6DF5
		NO + NC	–	ZB6E●5B (1)	ZB6Z5B	ZB6DF5



Pilot lights

Type of head			Smooth lens cap		
Shape of head			rectangular (2)		
			Complete products 12 ... 24 V AC/DC	Products for user assembly	
References					
References	white	●	XB6DV1BB	ZB6E●1B (1)	ZB6DV1
	green	●	XB6DV3BB	ZB6E●3B (1)	ZB6DV3
	red	●	XB6DV4BB	ZB6E●4B (1)	ZB6DV4
	yellow	●	XB6DV5BB	ZB6E●5B (1)	ZB6DV5
	blue	●	—	ZB6E●6B (1)	ZB6DV6

(1) Basic reference, to be completed by the letter B, G or M indicating the required voltage. See voltage table above.

(2) For products with a square head, replace the letter **D** in the reference by the letter **C** (XB6DW1B1B becomes XB6CW1B1B).

For products with a circular head, replace the letter **D** in the reference by the letter **A** (XB6DW1B1B becomes XB6AW1B1B).

(3) Alternative connection: 1 x 0.5 pins for printed circuit boards.

Contact functions

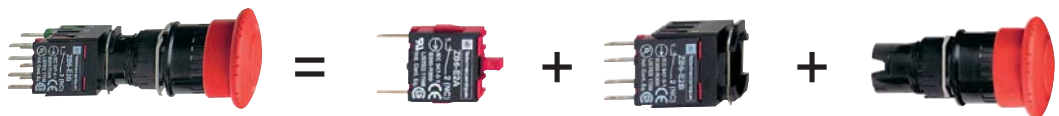


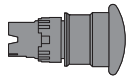
Pushbuttons						
Type of head			Flush push			
Shape of head			  			
Degree of protection			IP 65 / Nema 4, 4X, 13 / Class II			
Mounting (mm)		panel cut-out	Ø 16.2 ^{+0.2} ₀			
		mounting centres	24 x 18 with rectangular head, 18 x 18 with square or circular head			
Dimensions (mm)		W x H x D (below head)	24 x 18 x 50 with rectangular head, 18 x 18 x 50 with square or circular head			
Connection (2)			Tags for 2.8 x 0.5 Faston connectors or for soldering			
Type of push			Spring return			
			Complete products	Products for user assembly		
						
References	white	 NO	XB6DA11B	ZB6Z1B	ZB6DA1	
		NO + NC	XB6DA15B	ZB6Z5B	ZB6DA1	
	black	 NO	–	ZB6Z1B	ZB6DA2	
		NO + NC	XB6DA25B	ZB6Z5B	ZB6DA2	
	green	 NO	XB6DA31B	ZB6Z2B	ZB6DA3	
		NO + NC	XB6DA35B	ZB6Z5B	ZB6DA3	
	red	 NO	–	ZB6Z1B	ZB6DA4	
		NO + NC	XB6DA45B	ZB6Z5B	ZB6DA4	

(1) For products with a square head, replace the letter **D** in the reference by the letter **C** (XB6DA11B becomes XB6CA11B).

For products with a circular head, replace the letter **D** in the reference by the letter **A** (XB6DA11B becomes XB6AA11B).

(2) Alternative connection: 1 x 0.5 pins for printed circuit boards.



Ø 30 mushroom head Emergency stop pushbuttons (3)					
Type of head		Trigger action (EN/ISO 13850)			
Shape of head		cylindrical			
Type of push		Turn to release			
		Complete products	Products for user assembly		
					
References	red	2 NC + 1 NO	XB6AS8349B	ZB6E2B	ZB6Z5B
Type of push		Key release, 200			
References	red	2 NC + 1 NO	XB6AS9349B	ZB6E2B	ZB6Z5B
					ZB6AS934

(3) Emergency stop trigger action and mechanical latching pushbuttons conform to standards EN/IEC 60204-1 and EN/ISO 13850, to Machinery Directive 2006/42/EC and to standard EN/IEC 60947-5-5. Please consult your Regional Sales Office for a full explanation of these standards and directives.



Selector switches and key switches			
Type of head	  	Black handle	
Shape of head		rectangular (2)	
Degree of protection		IP 66 / Nema 4, 4X, 13 / Class II	
Mounting (mm)	panel cut-out mounting centres	$\varnothing 16.2^{+0.2}_0$	
Dimensions (mm)	W x H x D (below head)	24 x 18 with rectangular head, 18 x 18 with square or circular head	
Connection (3)		24 x 18 x 50 with rectangular head, 18 x 18 x 50 with square or circular head	
Type of operator		Tags for 2.8 x 0.5 Faston connectors or for soldering	
Type of operator		Black handle	
		Complete products	Products for user assembly
Number and type of positions		2 positions stay put 	2 positions stay put 
References	NO	XB6DD221B	ZB6Z1B
	NO + NC	XB6DD225B	ZB6DD22
Number and type of positions		3 positions stay put 	3 positions stay put 
References	NO	XB6DD235B	ZB6Z5B
			ZB6DD23
			2 positions spring return to centre 
			ZB6Z1B
			ZB6DD24
			ZB6Z5B
			ZB6DD24
			3 positions spring return to centre 
			ZB6Z5B
			ZB6DD25



Type of operator	Key, n° 200		
	Complete products	Products for user assembly	
Number and type of positions	2 positions stay put 	2 positions stay put 	2 positions spring return to centre 
References	NO + NC	XB6DGC5B	ZB6Z5B
			ZB6DGC
			ZB6DGB
Number and type of positions	3 positions stay put 	3 positions stay put 	3 positions spring return to centre 
References	NO + NC	XB6DGH5B	ZB6Z5B
			ZB6DGH
			ZB6DGS

(1):

Voltage	Letter (●)
12...24 V AC/DC (15 mA)	B
48...120 V AC (25 mA)	G
230...240 V AC (25 mA)	M



Illuminated selector switches			
Type of operator	Coloured handle		
	Products for user assembly		
Number and type of positions		2 positions stay put 	3 positions stay put 
References	white  NO + NC	ZB6E1B (1)	ZB6Z5B
	green  NO + NC	ZB6E3B (1)	ZB6Z5B
	red  NO + NC	ZB6E4B (1)	ZB6Z5B
		ZB6DD02	ZB6DD03
		ZB6DD02	ZB6DD03
		ZB6DD02	ZB6DD03
			ZB6YK1
			ZB6YK3
			ZB6YK4

(1) Basic reference, to be completed by the letter B, G or M indicating the required voltage. See voltage table above.

(2) For products with a square head, replace the letter D in the reference by the letter C (XB6DD221B becomes XB6CD221B).

For products with a circular head, replace the letter D in the reference by the letter A (XB6DD221B becomes XB6AD221B).

(3) Alternative connection: 1 x 0.5 pins for printed circuit boards.

(1):

Voltage	Number (●)
5 V (25 mA)	1
12 V (18 mA)	2
24 V (18 mA)	3
48 V (10 mA)	4



LED pilot lights		With black bezel		With integral lens cap	
Type of head		Protruding LED, Ø 8 mm		Covered LED, Ø 8 mm	Covered LED, Ø 12 mm
Degree of protection		IP 40, IP 65 with seal (2)			
Mounting (mm)	panel cut-out	Ø 8.2 mm		Ø 8.2 mm	Ø 12.2 mm
	mounting centres	12.5 x 12.5 mm		10.5 x 10.5 mm	16.5 x 16.5 mm
Dimensions (mm)		Ø x Depth (below head)		Ø 10 x 34	Ø 16 x 45
Connection		Tags (3)		Tags (3)	Threaded connectors
References (1)	green ●	XVLA1●3		XVLA2●3	XVLA3●3
	red ●	XVLA1●4		XVLA2●4	XVLA3●4
	yellow ●	XVLA1●5		XVLA2●5	XVLA3●5
Tightening key		For Ø 8 mm pilot lights		For Ø 12 mm pilot lights	
References		XVLX08		XVLX12	

(1) Basic reference, to be completed by the number 1, 2, 3 or 4 indicating the required voltage. See voltage table above.

(2) For an IP 65 degree of protection, include the seals: XVLZ911 for pilot lights XVLA1●● and XVLA2●●; XVLZ912 for pilot lights XVLA3●●.

(3) Tags for 2.8 x 0.5 Faston connectors or for soldering.

Sub-assemblies & accessories for Ø 16 plastic bezel control and signalling units



Sub-assemblies				Bodies for pushbuttons and selector switches				Bodies for pilot lights			
Rated operational characteristics, AC-15: Ue = 240 V and Ie = 1.5 A or Ue = 120 V and Ie = 3 A				Positive operation of contacts conforming to IEC/EN 60947-5-1: NC contacts with positive opening operation, positive opening force 20 N				Consumption			
								15 mA	12...24 V AC/DC		
								25 mA	48...120 V AC		
								25 mA	230...240 V AC		
				Type of contact	Fixing collar + contacts	Contacts		Pilot light bodies	12 ... 24 V	48 ... 120 V	230 ... 240 V
References				NO	ZB6Z1B	ZB6E1B		White ●	ZB6EB1B	ZB6EG1B	ZB6EM1B
				NC	ZB6Z2B	ZB6E2B		Green ●	ZB6EB3B	ZB6EG3B	ZB6EM3B
				2 NO	ZB6Z3B	–		Red ●	ZB6EB4B	ZB6EG4B	ZB6EM4B
				2 NC	ZB6Z4B	–		Yellow ●	ZB6EB5B	ZB6EG5B	ZB6EM5B
				NO + NC	ZB6Z5B	–		Blue ●	ZB6EB6B	ZB6EG6B	ZB6EM6B

Accessories

Legend holders		24 x 28 mm (8 x 21 mm legend)			24 x 36 mm (16 x 21 mm legend)		
Blank legend	Background colour	without legend	yellow or white	black or red	without legend	yellow or white	black or red
References (10)*		ZB6YD20	ZB6YD21	ZB6YD22	ZB6YD30	ZB6YD31	ZB6YD32
Blank legends for legend holders		8 x 21 mm (24 x 28 mm legend holder)			16 x 21 mm (24 x 36 mm legend holder)		
	Background colour	–	yellow or white	black or red	–	yellow or white	black or red
References (20)*		–	ZB6Y1001	ZB6Y2001	–	ZB6Y4001	ZB6Y3001
Ø 45 mm yellow legend for mushroom head Emergency stop pushbutton							
	Marking	Blank, for engraving		EMERGENCY STOP		ARRET D'URGENCE	
References		ZB6Y7001		ZB6Y7330		ZB6Y7130	
Body/fixing collar		Plate		Tightening tool		Dismantling tool	
		anti-rotation		and slackening, for fixing nut		for removal of contact blocks	
References	ZB6Y009 (10)*	ZB6Y003 (10)*		ZB6Y905 (2)*		ZB6Y018 (5)*	
Protective shutter for pushbuttons and switches				Connector		Blanking plug	
	for rectangular heads	for circular and square heads		Faston, female		IP 65	
References	ZB6YD001	ZB6YA001		ZB6Y004 (100)*		ZB6Y005 (10)*	

* sold in lots of



Pushbuttons, spring return

Type of head			Chromium plated circular bezel						
Degree of protection			IP 66 / Nema 4X, 13 / Class I						
Mounting (mm)	panel cut-out		Ø 22.5 (22.4 ^{+0.4} ₀ recommended)						
	mounting centres		30 (horizontal) x 40 (vertical)						
Depth (mm)	below head		43						
Connection (1)			Screw clamp terminals						
Type of push			Flush			Flush, booted			
Unmarked			Products	Complete	For user assembly		Complete	For user assembly	
References	black	NO	XB4BA21	ZB4BZ101	ZB4BA2	XB4BP21	ZB4BZ101	ZB4BP2	
	green	NO	XB4BA31	ZB4BZ101	ZB4BA3	XB4BP31	ZB4BZ101	ZB4BP3	
	red	NC	XB4BA42	ZB4BZ102	ZB4BA4	XB4BP42	ZB4BZ102	ZB4BP4	
	yellow	NO	XB4BA51	ZB4BZ101	ZB4BA5	XB4BP51	ZB4BZ101	ZB4BP5	
	blue	NO	XB4BA61	ZB4BZ101	ZB4BA6	XB4BP61	ZB4BZ101	ZB4BP6	
Type of push			Flush						
With international marking			Products	Complete	For user assembly				
References	green	NO	XB4BA3311	ZB4BZ101	ZB4BA331	–	–	–	
	red	NC	XB4BA4322	ZB4BZ102	ZB4BA432	–	–	–	
	white	NO	XB4BA3341	ZB4BZ101	ZB4BA334	–	–	–	
	black	NO	XB4BA3351	ZB4BZ101	ZB4BA335	–	–	–	
Type of push			Projecting			Mushroom head, Ø 40 mm			
Unmarked			Products	Complete	For user assembly		Complete	For user assembly	
References	black	NO	–	–	–	XB4BC21	ZB4BZ101	ZB4BC2	
	red	NC	XB4BL42	ZB4BZ102	ZB4BL4	–	–	–	
Type of push			Double-headed pushbuttons			Triple-headed pushbuttons			
Degree of protection			IP 66 - IP 69K			IP 66 - IP 69K			
With international marking			Products	Complete	For user assembly		Complete	For user assembly	
References	(A)	NO + NC	XB4BL73415	ZB4BZ105	ZB4BL7341	–	–	–	
	(B)	NO + NC + NO	–	–	–	XB4BA711237	ZB4BZ103 + ZBE102	ZB4BA71123	

(1) Alternative connections: plug-in connector, Faston connectors (6.35 and 2 x 2.8).



Ø 40 mm mushroom head Emergency stop pushbuttons (2)

Type of push			Trigger action (EN/ISO 13850)					
Unmarked			Push-pull NO + NC					
References			Complete	For user assembly				
	red	NO + NC	XB4BT845	ZB4BZ105				
Type of push			Turn to release NO + NC					
References			XB4BS8445	ZB4BZ105				ZB4BS844
Type of push			Key release NO + NC					
References			XB4BS9445	ZB4BZ105				ZB4BS944

(2) Emergency stop trigger action and mechanical latching pushbuttons conform to standards EN/IEC 60204-1 and EN/ISO 13850, to Machinery Directive 2006/42/EC and to standard EN/IEC 60947-5-5. Please consult your Regional Sales Office for a full explanation of these standards and directives.

Contact functions



Selector switches and key switches

Type of head		Chromium plated circular bezel			
Degree of protection		IP 66 / Nema 4X, 13 / Class I			
Mounting (mm)	panel cut-out	Ø 22.5 (22.4 ^{+0.4} ₀ recommended)			
	mounting centres	30 (horizontal) x 40 (vertical)			
Depth (mm)	below head	43			
Connection (1)		Screw clamp terminals			
Type of operator		Handle			
Products		Complete	For user assembly	Complete	For user assembly
Number and type of positions		2 positions stay put	2 positions stay put	2 positions spring return to left	2 positions spring return to left
References	black ● NO	XB4BD21	ZB4BZ101 ZB4BD2	XB4BD41	ZB4BZ101 ZB4BD4
Number and type of positions		3 positions stay put	3 positions stay put	3 positions spring return to centre	3 positions spring return to centre
References	black ● NO + NO	XB4BD33	ZB4BZ103 ZB4BD3	XB4BD53	ZB4BZ103 ZB4BD5



Type of operator		Key, n° 455			
Products		Complete	For user assembly	Complete	For user assembly
Number and type of positions (2)		2 positions stay put	2 positions stay put	2 positions stay put	2 positions stay put
References	black ● NO	XB4BG21	ZB4BZ101 ZB4BG2	XB4BG41	ZB4BZ101 ZB4BG4
Number and type of positions		2 positions spring return to left	2 positions spring return to left	3 positions stay put	3 positions stay put
References	black ● NO	XB4BG61	ZB4BZ101 ZB4BG6	–	–
References	black ● NO + NO	–	–	XB4BG33	ZB4BZ103 ZB4BG3



Pilot lights

Type of head		Circular bezel	
		Smooth lens cap	
Degree of protection		IP 66 / Nema 4X, 13 / Class I	
Mounting (mm)	panel cut-out	Ø 22.5 (22.4 ^{+0.4} ₀ recommended)	
	mounting centres	30 (horizontal) x 40 (vertical)	
Depth	below head	43	
Connection (1)		Screw clamp terminals	
Light source		Integral LED	Direct supply for BA 9s bulb (not included)
Products		Complete	Complete For user assembly
Supply voltage		24 V AC/DC	110...120 V AC
References	white	XB4BVB1	XB4BVG1
	green	XB4BVB3	XB4BVG3
	red	XB4BVB4	XB4BVG4
	yellow	XB4BVB5	XB4BVG5
	blue	XB4BVB6	XB4BVG6



Illuminated pushbuttons and selector switches

Type		Flush push, spring return, illuminated pushbuttons	
Light source		Integral LED	Direct supply for BA 9s bulb (not included)
Products		Complete	Complete For user assembly
Supply voltage		24 V AC/DC	110...120 V AC
References	white NO + NC	XB4BW31B5	XB4BW31G5
	green NO + NC	XB4BW33B5	XB4BW33G5
	red NO + NC	XB4BW34B5	XB4BW34G5
	orange NO + NC	XB4BW35B5	XB4BW35G5
	blue NO + NC	XB4BW36B5	XB4BW36G5



Type		Double-headed pushbuttons with LED pilot light (1 flush green push, 1 projecting red push)		Illuminated selector switches (2 position stay put)	
Degree of protection		IP 66 - IP 69K		IP 66	
Light source		Integral LED		Integral LED	
Products		Complete		Complete	
Supply voltage		24 V AC/DC	110...120 V AC	24 V AC/DC	110...120 V AC
References	green NO + NC	—	—	XB4BK123B5	XB4BK123G5
	red NO + NC	—	—	XB4BK124B5	XB4BK124G5
	orange NO + NC	—	—	XB4BK125B5	XB4BK125G5
	White NO + NC	XB4BW73731B5	XB4BW73731G5	—	—

(1) Alternative connections: plug-in connector, Faston connectors (6.35 and 2 x 2.8), spring clamp terminal.

Separate components and accessories

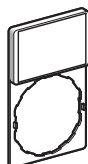
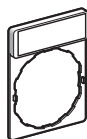


Electrical blocks (1) (2)

Single contact blocks			Light blocks with integral LED				Light block, direct supply	
Rated operational characteristics	AC-15, 240 V - 3 A		Consumption					
			18 mA	24 V AC/DC				
Positive operation of contacts conforming to IEC/EN 60947-5-1	NC contacts with positive opening operation		14 mA 120 V AC					
			14 mA 240 V AC					
	Screw clamp terminal	Spring clamp terminal	To combine with heads for integral LED				For BA 9s bulb (not included)	
References (5)*	NC	ZBE101	ZBE1015	white	24 V AC/DC	110...120 V AC	230...240 V AC	250 V max., 2.4 W max.
	NO	ZBE102	ZBE1025	white	ZBVB1	ZBVG1	ZBVM1	ZBV6
				green	ZBVB3	ZBVG3	ZBVM3	Colour provided by lens
				red	ZBVB4	ZBVG4	ZBVM4	
				orange	ZBVB5	ZBVG5	ZBVM5	
				blue	ZBVB6	ZBVG6	ZBVM6	



Diecast metal enclosures (Zinc alloy, usable depth 49 mm)		1 vertical row				2 vertical rows		
Number of cut-outs	Front face dimensions	1	2	3	4	2	4	6
References	80 x 80 mm	XAPM1201	–	–	–	XAPM1202	–	–
	80 x 130 mm	–	XAPM2202	XAPM2203	–	–	XAPM2204	–
	80 x 175 mm	–	–	XAPM3203	XAPM3204	–	–	XAPM3206



Accessories (2)

Legend holders, 30 x 40 mm, for 8 x 27 mm legends

References (10)*	Marking	Background colour: black or red						white or yellow
	Blank	ZBY2101						ZBY4101
	International	0 (red background)	ZBY2931	I	ZBY2147	AUTO	ZBY2115	STOP ZBY2304
	English	OFF	ZBY2312	ON	ZBY2311	START	ZBY2303	–
	French	ARRET (red b/grnd)	ZBY2104	ARRET-MARCHE	ZBY2166	MARCHE	ZBY2103	–
	German	AUS	ZBY2204	AUS-EIN	ZBY2266	EIN	ZBY2203	–
	Spanish	PARADA (red b/grnd)	ZBY2404	PARADA-MARCHA	ZBY2466	MARCHA	ZBY2403	–

Legend holders, 30 x 50 mm, for 18 x 27 mm legends

Background colour	black or red							white or yellow
References (10)*	Blank	ZBY6101						

Ø 60 mm legend for mushroom head Emergency stop pushbutton

Background colour	yellow				
Marking	Blank	EMERGENCY STOP	ARRET D'URGENCE	NOT HALT	PARADA DE EMERGENCIA
References	ZBY9140	ZBY9330	ZBY9130	ZBY9230	ZBY9430

(1) Alternative connections: plug-in connector, Faston connectors (6.35 and 2 x 2.8), spring clamp terminal.

(2) Electrical blocks and accessories also for use with Harmony XB5plastic range

* sold in lots of



Pushbuttons, spring return

Type of head		Circular bezel						
Degree of protection		IP 66 / Nema 4X, 13 / Class II						
Mounting (mm)	panel cut-out	Ø 22.5 (22.4 ^{+0.4} ₀ recommended)						
	mounting centres	30 (horizontal) x 40 (vertical)						
Depth (mm)		43						
Connection (1)		Screw clamp terminals						
Type of push			Flush			Flush, booted		
Unmarked	Products		Complete	For user assembly		Complete	For user assembly	
References	black	NO	XB5AA21	ZB5AZ101	ZB5AA2	XB5AP21	ZB5AZ101	ZB5AP2
	green	NO	XB5AA31	ZB5AZ101	ZB5AA3	XB5AP31	ZB5AZ101	ZB5AP3
	red	NC	XB5AA42	ZB5AZ102	ZB5AA4	XB5AP42	ZB5AZ102	ZB5AP4
	yellow	NO	XB5AA51	ZB5AZ101	ZB5AA5	XB5AP51	ZB5AZ101	ZB5AP5
	blue	NO	XB5AA61	ZB5AZ101	ZB5AA6	XB5AP61	ZB5AZ101	ZB5AP6
Type of push			Flush					
With international marking	Products		Complete	For user assembly		Complete	For user assembly	
References	green	NO	XB5AA3311	ZB5AZ101	ZB5AA331	–	–	–
	red	NC	XB5AA4322	ZB5AZ102	ZB5AA432	–	–	–
	white	NO	XB5AA3341	ZB5AZ101	ZB5AA334	–	–	–
	black	NO	XB5AA3351	ZB5AZ101	ZB5AA335	–	–	–
Type of push			Projecting			Mushroom head, Ø 40 mm		
Unmarked	Products		Complete	For user assembly		Complete	For user assembly	
References	black	NO	–	–	–	XB5AC21	ZB5AZ101	ZB5AC2
	red	NC	XB5AL42	ZB5AZ102	ZB5AL4	–	–	–
Type of push			Double-headed pushbuttons			Triple-headed pushbuttons		
Degree of protection			IP 66 - IP 69K			IP 66 - IP 69K		
With international marking	Products		Complete (A)	For user assembly		Complete (B)	For user assembly	
References	(A)	NO + NC	XB5AL73415	ZB5AZ105	ZB5AL7341	–	–	–
	(B)	NO + NC + NO	–	–	–	XB5AA711237	ZB5AZ103 + ZBE102	ZB5AA71123

(1) Alternative connections: plug-in connector, Faston connectors (6.35 and 2 x 2.8).



Ø 40 mm mushroom head Emergency stop pushbuttons (2)

				Trigger action (EN/ISO 13850)		
Type of push				Push-pull NO + NC		
Unmarked		Products		Complete	For user assembly	
						
References	red		NO + NC	XB5AT845	ZB5AZ105	ZB5AT84
Type of push				Turn to release NO + NC		
References	red		NO + NC	XB5AS8445	ZB5AZ105	ZB5AS844
Type of push				Key release NO + NC		
References	red		NO + NC	XB5AS9445	ZB5AZ105	ZB5AS944

(2) Emergency stop trigger action and mechanical latching pushbuttons conform to standards EN/IEC 60204-1 and EN/ISO 13850: to Machinery Directive 2006/42/EC and to standard EN/IEC 60947-5-5. Please consult your Regional Sales Office for a full explanation of these standards and directives.

Contact functions



Selector switches and key switches

Type of head		Circular bezel			
Degree of protection		IP 66 / Nema 4X, 13 / Class II			
Mounting (mm)	panel cut-out	Ø 22.5 (22.4 ^{+0.4} ₀ recommended)			
	mounting centres	30 (horizontal) x 40 (vertical)			
Depth (mm)	below head	43			
Connection (1)		Screw clamp terminals			
Type of operator		Handle			
Products		Complete	For user assembly		Complete
					For user assembly
Number and type of positions		2 positions stay put	2 positions stay put		2 positions spring return to left
References	black ● NO	XB5AD21	ZB5AZ101	ZB5AD2	XB5AD41
Number and type of positions		3 positions stay put	3 positions stay put		3 positions spring return to centre
References	black ● NO + NO	XB5AD33	ZB5AZ103	ZB5AD3	XB5AD53
Type of operator		Key, n° 455			
Number and type of positions (2)		2 positions stay put	2 positions stay put		2 positions stay put
References	black ● NO	XB5AG21	ZB5AZ101	ZB5AG2	XB5AG41

(2) The symbol indicates key withdrawal position.



Ready to use packs	Panel mounting				Mobile application	
Wireless and batteryless 22mm pushbutton assembled on fixing collar	Plastic head	Metal head	Plastic head	Metal head	Plastic head in handy box	
Caps	1 black cap		1 set of 10 different coloured caps		1 black cap	1 set of 10 different coloured caps
Receiver	Non programmable receiver		Programmable receiver		Non programmable receiver	Programmable receiver
Relay output	1relay output type RT 3A		2 relays output type RT 3A		1relay output type RT 3A	2 relays output type RT 3A
Voltage receiver	24 VDC		24....240 AC/DC		24 VDC	24....240 AC/DC
References	XB5RFB01	XB4RFB01	XB5RFA02	XB4RFA02	XB5RMB03	XB5RMA04

The pushbutton and receiver are factory paired



Transmitter components for wireless and batteryless pushbuttons			Transmitter for wireless and batteryless pushbuttons	Plastic head	Metal head
Wireless and batteryless pushbuttons including			- a transmitter fitted with fixing collar - a spring return pushbutton head with clipped-in cap		
Reference			ZBRT1	–	–
	Cap colour	White	–	ZB5RTA1	ZB4RTA1
		Black	–	ZB5RTA2	ZB4RTA2
		Green	–	ZB5RTA3	ZB4RTA3
		White I on green background	–	ZB5RTA331	ZB4RTA331
		Red	–	ZB5RTA4	ZB4RTA4
		White O on red background	–	ZB5RTA432	ZB4RTA432
		Yellow	–	ZB5RTA5	ZB4RTA5
		Blue	–	ZB5RTA6	ZB4RTA6



Programmable receivers

Programmable receivers equipped with	- 2 buttons (learn, parameter setting) - 6 indicating LEDs (power ON, outputs, signal strength)	
Output type	4 PNP outputs 200 mA / 24V	2 relay outputs type RT 3A
Receiver voltage	24 VDC	24...240 AC/DC
References	ZBRRC	ZBRRB



Relay antenna

The relay antenna is placed between transmitter and receiver	Used to increase the distance and/or get round obstacles - 5m cable - 1 power-ON LED - 2 LEDs reception / transmission - Relay antenna voltage : 24...240 AC/DC	
Reference	ZBRA1	



Empty boxes	Handy box, plastic, empty	Empty plastic boxes	
	1 cut-out	1 cut-out	2 cut-outs
References	ZBRM01	XALD01	XALD02



Pilot lights									
Type of head					Circular bezel				
			Smooth lens cap						
Degree of protection			IP 66 / Nema 4X, 13 / Class II						
Mounting (mm)		panel cut-out	Ø 22.5 (22.4 ^{+0.4} ₀ recommended)						
		mounting centres	30 (horizontal) x 40 (vertical)						
Depth		below head	43						
Connection (1)			Screw clamp terminals						
Light source			Integral LED				Direct supply for BA 9s bulb (not included)		
Products			Complete			Complete	For user assembly		
									
Supply voltage			24 V AC/DC	110...120 V AC	230...240 V AC	250 V max., 2.4 W max.			
References	white		XB5AVB1	XB5AVG1	XB5AVM1	XB5AV61	ZB5AV6	ZB5AV01	
	green		XB5AVB3	XB5AVG3	XB5AVM3	XB5AV63	ZB5AV6	ZB5AV03	
	red		XB5AVB4	XB5AVG4	XB5AVM4	XB5AV64	ZB5AV6	ZB5AV04	
	orange		XB5AVB5	XB5AVG5	XB5AVM5	XB5AV65	ZB5AV6	ZB5AV05	
	blue		XB5AVB6	XB5AVG6	XB5AVM6	—	—	—	



Illuminated pushbuttons and selector switches									
Type			Flush push, spring return, illuminated pushbuttons						
Light source			Integral LED			Direct supply for BA 9s bulb (not included)			
Products			Complete			Complete	For user assembly		
							 		
Supply voltage			24 V AC/DC	110...120 V AC	230...240 V AC	250 V max., 2.4 W max.			
References	white	 NO + NC	XB5AW31B5	XB5AW31G5	XB5AW31M5	XB5AW3165	ZB5AW065	ZB5AW31	
	green	 NO + NC	XB5AW33B5	XB5AW33G5	XB5AW33M5	XB5AW3365	ZB5AW065	ZB5AW33	
	red	 NO + NC	XB5AW34B5	XB5AW34G5	XB5AW34M5	XB5AW3465	ZB5AW065	ZB5AW34	
	orange	 NO + NC	XB5AW35B5	XB5AW35G5	XB5AW35M5	XB5AW3565	ZB5AW065	ZB5AW35	
	blue	 NO + NC	XB5AW36B5	XB5AW36G5	XB5AW36M5	—	—	—	



Type			Double-headed pushbuttons with LED pilot light (1 flush green push, 1 projecting red push)			Illuminated selector switches (2 position stay put)		
Degree of protection			IP 66 - IP 69K			IP 66		
Light source			Integral LED			Integral LED		
		Products	Complete			Complete		
Supply voltage			24 V AC/DC	110...120 V AC	230...240 V AC	24 V AC/DC	110...120 V AC	230...240 V AC
References	green	 NO + NC	—	—	—	XB5AK123B5	XB5AK123G5	XB5AK123M5
	red	 NO + NC	—	—	—	XB5AK124B5	XB5AK124G5	XB5AK124M5
	orange	 NO + NC	—	—	—	XB5AK125B5	XB5AK125G5	XB5AK125M5
	white	 NO + NC	XB5AW73731B5	XB5AW73731G5	XB5AW73731M5	—	—	—

(1) Alternative connections: plug-in connector, Faston connectors (6.35 and 2 x 2.8), spring clamp terminal.

Separate components and accessories: see previous page.

(1):

Number of cut-outs	Number (●)
1	1
2	2
3	3
4	4
5	5



Complete stations with 1 pushbutton, selector switch or key switch

(light grey RAL 7035 base with dark grey RAL 7016 lid)

Degree of protection			IP 65 / Nema 4X and 13 / Class II				
Dimensions (mm)			W x H x D				
Fixing (mm)			2 x Ø 4.3 on 54 mm centres				
Function			1 Start or Stop function			1 Start-Stop function	
Marking			On spring return push			On legend holder and legend below head	
Number and type of pushbutton/selector switch/key switch			1 flush green p/b	1 flush red p/b	1 projecting red p/b	1 2 position stay put selector switch or key switch	
						Black handle	Key n° 455 (key withdrawal LH pos.)
References	NO	I	XALD102	—	—	—	—
		Start	XALD103	—	—	—	—
		O - I	—	—	—	XALD134	XALD144
		O	—	XALD112	XALD115	—	—

(1) Empty enclosures:

Basic reference: **XALK0●**, replace the ● by the number of cut-outs required (see cut-out table above)



Function			Emergency stop (2) (light grey RAL 7035 base with yellow RAL 1012 lid)			
Number and type of mushroom head pushbutton			1 red Ø 40 head, turn to release			1 red Ø 40 head, key release
Latching mechanism			Trigger action (EN/ISO 13850)			Trigger action (EN/ISO 13850)
References						
NC			XALK178	—	—	XALK188
		NC + NC	XALK178F	—	—	XALK188F
		NO + NC	XALK178E	—	—	XALK188E
		NC + NC + NO	XALK178G	—	—	XALK188G

(2) Emergency stop trigger action and mechanical latching pushbuttons conform to standards EN/IEC 60204-1 and EN/ISO 13850, to Machinery Directive 2006/42/EC and to standard EN/IEC 60947-5-5. Please consult your Regional Sales Office for a full explanation of these standards and directives.



(1) Empty enclosures:

Basic reference: **XALD0●**, replace the ● by the number of cut-outs required (see cut-out table above)

Complete stations with 2 and 3 pushbuttons or 2 pushbuttons + 1 pilot light

(light grey RAL 7035 base with dark grey RAL 7016 lid)

Dimensions (mm)			W x H x D		2-way control stations: 68 x 106 x 62; 3-way control stations: 68 x 136 x 87				
Fixing (mm)			2-way control stations: 2 x Ø 4.3 on 54 x 68 centres; 3-way control stations: 2 x Ø 4.3 on 54 x 98 centres						
Function			Start-Stop functions		2 functions		3 functions		
Marking			On spring return push						
Number and type of pushbutton/pilot light			1 flush green p/b	1 flush green pushbutton	1 flush white p/b	1 flush white p/b	1 flush white p/b		
			1 flush red p/b	1 flush red pushbutton	1 flush black p/b	1 flush red p/b	1 Ø 30 red mushroom head p/b		
			1 red pilot light with integral LED		1 flush black p/b	1 flush black p/b	1 flush black p/b		
				24 V AC/DC	230 V AC				
References	NO + NC	I - O	XALD213	XALD363B	XALD363M	—	—	—	
		Start - Stop	XALD215	—	—	—	—	—	
	NO + NO	↕	—	—	—	XALD222	—	—	
	NO + NC + NO	⬆ ⬆ ⬆	—	—	—	—	XALD324	XALD328	

Accessories		Standard contact blocks		Light blocks with integral LED, colour red	
Description		NO contact	NC contact	24 V AC/DC	230 V AC
References		ZENL111	ZENL121	ZALVB4	ZALVM4



Pushbuttons

Type of head					Flush or projecting push	
Degree of protection			IP 65, class II			
Mounting (mm)	panel cut-out		Ø 22.4 (0 +0.1)			
	mounting centres		30 (horizontal) x 40 (vertical)			
Dimensions (mm)			Ø x Depth (below head)		Ø 29 x 41.5 (Ø 40 x 41.5 for Emergency stop)	
Connection			Screw clamp terminals, 1 x 0.34 mm² to 1 x 1.5 mm²			
Type of push			Flush, spring return		Flush, push and latching	
References (10)*	white		NO	XB7NA11		–
			NO + NC	XB7NA15		–
	black		NO	XB7NA21		XB7NH21
			NO + NC	XB7NA25		XB7NH25
	green		NO	XB7NA31		XB7NH31
			NO + NC	XB7NA35		XB7NH35
	red		NC	XB7NA42		–
			NO + NC	XB7NA45		–
	yellow		NO	XB7NA81		–
Type of push			Flush, spring return		Projecting, spring return	
References	green		NO	XB7NA3131		–
	red		NC	–		XB7NL4232
	white		NO	XB7NA11341		–
	black		NO	XB7NA21341		–
			NO + NC	XB7NA25341		–



Selector switches and key switches

Type of operator		Black handle		Key, n° 455	
Number and type of positions		2 positions stay put	3 positions stay put	2 positions stay put	3 positions stay put
References (10*)	NO	XB7ND21	—	XB7NG21	—
	NO + NC	XB7ND25	—	—	—
	2 NO	—	XB7ND33	—	XB7NG33



Ø 40mm Emergency Stop trigger action and mechanical latching pushbuttons

Type of push			Turn to release	Push, Pull	Key release (n° 455)
References*	red	NC	XB7 NS8442	XB7 NT842	—
	red	NO + NC	XB7 NS8445	XB7 NT845	XB7 NS9445
	red	2NC	XB7 NS8444	XB7 NT844	XB7 NS9444

* sold in lots of 10

Contact functions and light functions

(1):

Supply voltage for integral LED light source only	Letter (●)
24 V AC/DC	B
120 V AC	G
230 V AC	M



Illuminated pushbuttons

Type of head		Projecting push	
		circular	
Degree of protection		IP 65, class II	
Mounting (mm)	panel cut-out	Ø 22.4 (0 +0.1)	
	mounting centres	30 (horizontal) x 40 (vertical)	
Dimensions (mm)		Ø 29 x 41.5, (Ø 40 x 41.5 for Emergency stop)	
Connection		Screw clamp terminals, 1 x 0.34 mm ² to 1 x 1.5 mm ²	
Light source		Integral LED	Ba 9s base fitting Incandescent bulb direct supply (bulb not included)
Type of push		Spring return	
References (10)*	green  NO	XB7NW33●1 (1)	XB7NW3361
	red  NO	XB7NW34●1 (1)	XB7NW3461
		XB7NW34●2 (1)	—
	orange  NO	XB7NW35●1 (1)	—
	blue  NO	XB7NW36●1 (1)	—
	clear  NO	XB7NW37●1 (1)	—
	yellow  NO	XB7NW38●1 (1)	XB7NW3561
Type of push		Push and latching	
References (10)*	green  NO	XB7NH03●1 (1)	XB7NH0361
	red  NO	XB7NH04●1 (1)	XB7NH0461
		XB7NH04●2 (1)	—
	yellow  NO	XB7NH08●1 (1)	XB7NH0861



Pilot lights (2)

Light source		Integral LED	Ba 9s base fitting incandescent bulb direct supply (bulb not included)	Incandescent bulb direct through resistor (bulb included)
Supply voltage		24VAC/DC or 120VAC or 230...240VAC	6 or 24 V DC, or 130 V AC	230 V AC
References (10)*	clear 	XB7EV07●P (1)	XB7EV67P	XB7EV77P
	green 	XB7EV03●P (1)	XB7EV63P	XB7EV73P
	red 	XB7EV04●P (1)	XB7EV64P	XB7EV74P
	yellow 	XB7EV05●P (1)	XB7EV65P	XB7EV75P
	blue 	XB7EV06●P (1)	XB7EV66P	XB7EV76P
	orange 	XB7EV08●P (1)	XB7EV68P	XB7EV78P

Incandescent bulbs, long life

BA 9s base fitting, Ø 11 mm max., length 28 mm max.

	6 V (1.2 W)	24 V (2 W)	130 V (2.4 W)
References	DL1CB006	DL1CE024	DL1CE130

(1) Basic reference, to be completed by the letter B, G or M indicating the required voltage. See voltage table above.

(2) Alternative connection: 1 x 6.35 and 2 x 2.8 mm Faston connectors.

* sold in lots of 10



Pushbuttons, spring return

Type of push		Flush	Projecting	Projecting (high guard)
Colour of push		Multi-colour (set of 7 clip-in coloured caps)		
Degree of protection		IP 66 / Nema 1, 2, 3, 3R, 4, 6, 12 and 13 / Class II		
Mounting (mm)	panel cut-out	Ø 31		
	mounting centres	57.2 x 44.5 (with legend 9001KN2●●), 57.2 x 50.8 (with legend 9001KN3●●)		
Depth below head (mm)		42		
Connection		Screw clamp terminals		
References	CO	9001KR1UH13	9001KR3UH13	9001KR2UH13
	NO	9001KR1UH5	9001KR3UH5	9001KR2UH5



Mushroom head pushbuttons, latching (1)			Emergency switching off		Emergency stop
Type of push			Push-pull Ø 41 mushroom head Ø 35 mushroom head		Turn-to-Release, trigger action Ø 40 red mushroom head
Degree of protection			IP 66 / Nema 1, 2, 3, 3R, 4, 6, 12 and 13 / Class II		IP 66 / Nema 1, 2, 3, 3R, 4, 6, 12 and 13 / Class III
Mounting (mm)	panel cut-out		Ø 31		
	mounting centres		57.2 x 44.5 (with legend 9001KN2●●), 57.2 x 50.8 (with legend 9001KN3●●)		57,2 x 44,5 (without legend plate), 100 x 100 ((with legend plate 9001KN8330) (2)
Depth below head (mm)			42		60
Connection			Screw clamp terminals		
References		–	–	–	9001KR16
		CO	9001KR9R94H13	9001KR9R20H13	–
		NC	9001KR9RH6	9001KR9R20H6	–
		2NO + 2NC	–	–	9001KR16H2
		NO	–	–	9001KR16H13

(1) Mushroom head switching off mechanical latching pushbuttons conform to standard IEC 60364-5-53 and EN/IEC 60947-5-5. Mushroom trigger action and mechanical latching head Emergency stop pushbuttons conforming to standard EN/IEC 60204-1 and EN/ISO 13850, to Machinery directive 2006/42/EC and standard EN/IEC 60947-5-5.
(2) For yellow circular Emergency Stop legend plates: see page 2/19



Selector switches and key switches

Type of operator		Long black handle				Key, n° 455
positions (2)		3 - spring return	2 - stay put	2 - spring return	3 - stay put	2 - stay put
Number and type of positions						
Degree of protection		IP 66 / Nema 1, 2, 3, 3R, 4, 6, 12 and 13 / Class II				
Mounting (mm)	panel cut-out	Ø 31				
	mounting centres	57.2 x 44.5 (with legend 9001KN2●●), 57.2 x 50.8 (with legend 9001KN3●●)				
Depth below head (mm)		42				
Connection		Screw clamp terminals				
References	NO	–	9001KS11FBH5	9001KS34FBH5	–	–
	CO	9001KS53FBH1	–	–	9001KS43FBH1	9001KS11K1RH1

(2) The symbol indicates key withdrawal position.

Light functions



Pilot lights

Type of head		Smooth lens cap			
Degree of protection		IP 66 / Nema 1, 2, 3, 3R, 4, 6, 12 and 13 / Class II			
Mounting (mm)	panel cut-out	Ø 31			
	mounting centres	57.2 x 44.5 (with legend 9001KN2●●), 57.2 x 50.8 (with legend 9001KN3●●)			
Depth below head (mm)		42			
Connection		Screw clamp terminals			
Type of light block		With high luminosity LED (included)			Incandescent BA 9s bulb (included)
References		24 V AC/DC	48 V AC/DC	120 V AC/DC	230 V AC
	green ●	9001KP35LGG9	9001KP36LGG9	9001KP38LGG9	9001KP7G9
	red ●	9001KP35LRR9	9001KP36LRR9	9001KP38LRR9	9001KP7R9
	yellow ●	9001KP35LYA9	9001KP36LYA9	9001KP38LYA9	9001KP7A9



Illuminated pushbuttons, spring return

Type of head		Spring return flush push			
Degree of protection		IP 66 / Nema 1, 2, 3, 3R, 4, 6, 12 and 13 / Class II			
Mounting (mm)	panel cut-out	Ø 31			
	mounting centres	57.2 x 44.5 (with legend 9001KN2●●), 57.2 x 50.8 (with legend 9001KN3●●)			
Depth below head (mm)		42			
Connection		Screw clamp terminals			
Type of light block		With high luminosity LED (included)			Incandescent BA 9s bulb (included)
References		24 V AC/DC	48 V AC/DC	120 V AC/DC	230 V AC
	green ● CO	9001K3L35LGGH13	9001K3L36LGGH13	9001K3L38LGGH13	9001K2L7RH13
	red ● CO	9001K3L35LRRH13	9001K3L36LRRH13	9001K3L38LRRH13	9001K2L7GH13
	yellow ● CO	9001K3L35LYAH13	9001K3L36LYAH13	9001K3L38LYAH13	9001K2L7AH13



Illuminated Ø 41 mushroom head pushbuttons, latching, high luminosity LED

Degree of protection		IP 66 / Nema 1, 2, 3, 3R, 4, 6, 12 and 13 / Class II			
Mounting (mm)	panel cut-out	Ø 31			
	mounting centres	57.2 x 44.5 (with legend 9001KN2●●), 57.2 x 50.8 (with legend 9001KN3●●)			
Depth below head (mm)		42			
Connection		Screw clamp terminals			
Type of light block		With high luminosity LED (included)			Incandescent BA 9s bulb (included)
Type of head		24 V AC/DC	48 V AC/DC	120 V AC/DC	230 V AC/DC
		2 position, push-pull			
	red ● CO	9001KR9P35RH13	9001KR9P36RH13	9001KR9P38RH13	9001KR9P7RH13
		3 position, push-pull (pull: spring return, centre: stay put, push: spring return)			
References	red ● NC + NC late break	9001KR8P35RH25	9001KR8P36RH25	9001KR8P38RH25	9001KR8P7RH25

Accessories



Contact blocks with protected terminals

Type of contact	Single contact blocks	
Connection	Screw clamp terminals	
References	CO	9001KA1
	NO	9001KA2
	NC	9001KA3
	CO, late break	9001KA4
	NC, late break	9001KA5
	NO, early make	9001KA6



Enclosures

Type	Number of Ø 30 mm cut-outs	NEMA ratings	Reference
Aluminium	1	1, 3, 4, 6, 12, 13	9001KY1
	2	1, 3, 4, 6, 12, 13	9001KY2
	3	1, 3, 4, 6, 12, 13	9001KY3
	4	1, 3, 4, 6, 12, 13	9001KY4
Stainless steel	1	1, 3, 4, 4X, 13	9001KYSS1
	2	1, 3, 4, 4X, 13	9001KYSS2
	3	1, 3, 4, 4X, 13	9001KYSS3

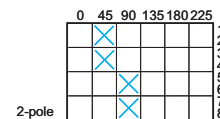
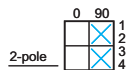


Legends

		44 x 43 mm	57 x 57 mm	Ø 60	Ø 90
Type	Colour of legend	Aluminium black background	Plastic white background	Plastic Yellow background	
Marking	Blank	9001KN200	9001KN100WP	9001KN9100	9001KN8100
	START	9001KN201	9001KN101WP	—	—
	STOP (red background)	9001KN202	9001KN102RP	—	—
	FORWARD	9001KN206	9001KN106WP	—	—
	REVERSE	9001KN207	9001KN107WP	—	—
	RESET	9001KN223	9001KN123WP	—	—
	PULL TO START/ PUSH TO STOP	9001KN379	9001KN179WP	—	—
	EMERGENCY STOP	—	—	9001KN9330	9001KN8330
	ARRET D'URGENCE	—	—	9001KN9330F	9001KN8330F
	PARADA DE EMERGENCIA	—	—	9001KN9330S	9001KN8330S



positions (°)

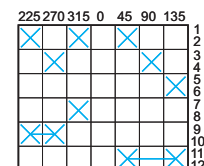
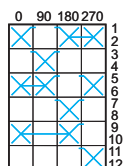
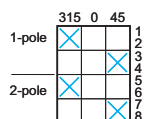


Cam switches, K1 / K2 series

Function	Switches		ON-OFF switches		Stepping switches	
	45° switching angle		90° switching angle		with "0" position	
Degree of protection front face	IP 65 (1)		IP 65 (1)		IP 65 (1)	
Conventional thermal current (Ith)	12 A	20 A	12 A	20 A	12 A	20 A
Rated insulation voltage (Ui) conforming to IEC60947-1	690 V		690 V		690 V	
Number of positions	2		2		2 + "0" position	
Number of poles	2		2		2	
Dimensions of front plate (mm)	45 x 45		45 x 45		45 x 45	
Front mounting method	Multifixing plate, 45 x 45 mm	K1B002ALH K2B 002ALH	K1B1002HLH K2B 1002HLH	K1D012QLH K2D012QLH		
	Plastic mounting plate for Ø 22 mm hole	K1B002ACH K2B 002ACH	K1B1002HCH K2B 1002HCH	K1D012QCH K2D012QCH		



positions (°)



Cam switches, K1 / K2 series

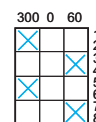
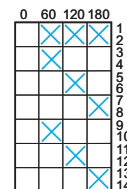
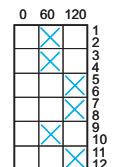
Function	Changeover switches		Ammeter switches		Voltmeter switches	
Degree of protection front face	IP 65 (1)		IP 65 (1)		IP 65 (1)	
Conventional thermal current (Ith)	12 A	20 A	12 A	20 A	12 A	20 A
Rated insulation voltage (Ui) conforming to IEC60947-1	690 V		690 V		690 V	
Number of positions	2 + "0" position		3 + "0" position (3 circuits + "0" position)		6 + "0" position (measurements between 3 phases & N + "0" pos.)	
Number of poles	2		4		7	
Dimensions of front plate (mm)	45 x 45		45 x 45		45 x 45	
Front mounting method	Multifixing plate, 45 x 45 mm	K1D002ULH K2D002ULH	K1F003MLH	to be compiled *	K1F027MLH	to be compiled *
	Plastic mounting plate for Ø 22 mm hole	K1D002UCH K2D002UCH	K1F003MCH	to be compiled *	K1F027MCH	to be compiled *

(1) With seal KZ73 for switch with Multifixing plate, with seal KZ65 for Ø 22 mm hole mounting switches. Seal to be ordered separately.

(*) Please consult your Schneider Electric agency.



positions (°)



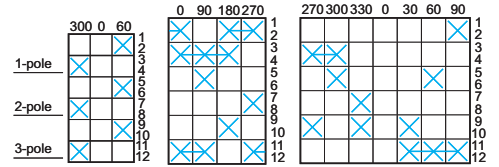
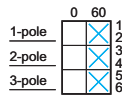
Cam switches with key operated lock, K1 series

Function	Stepping switches		Run switches		Changeover switches + "0" pos.	
Degree of protection front face	IP 65		IP 65		IP 65	
Conventional thermal current (Ith)	12 A		12 A		12 A	
Rated insulation voltage (Ui) conforming to IEC60947-1	690 V		690 V		690 V	
Number of positions	2 + "0" position		3 + "0" position		2 + "0" position	
Number of poles	3		2		2	
Dimensions of front plate (mm)	55 x 100		55 x 100		55 x 100	
Colour of handle	red	black	red	black	red	black
Front mounting method	Ø 22 mm hole + Ø 43.5 mm hole	K1F022QZ2 K1F022QZ4	K1G043RZ2 K1G043RZ4		K1D002UZ2 K1D002UZ4	

10 to 150 A ratings



positions (°)



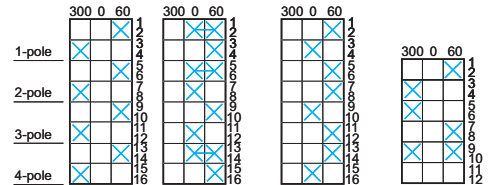
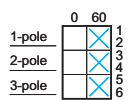
Cam switches, K10series							
Function	Switches			Changeover switches		Ammeter switches	Voltmeter switches
	60° switching angle			with "0" position		IP 65	IP 65
Degree of protection front face	IP 65			IP 65		IP 65	IP 65
Conventional thermal current (Ith)	10 A			10 A		10 A	10 A
Rated insulation voltage (Ui) conforming to IEC60947-1	440 V			440 V		440 V	440 V
Number of positions	2			2 + "0" position		3 + "0" pos. (1)	6 + "0" pos. (2)
Number of poles	1	2	3	2	3	3	3
Dimensions of front plate (mm)	30 x 30			30 x 30		30 x 30	30 x 30
Front mounting method By Ø 16 mm or 22 mm hole	K10A001ACH	K10B002ACH	K10C003ACH	K10D002UCH	K10F003UCH	K10F003MCH	K10F027MCH

(1) (3 circuits + "0" position).

(2) (Measurements between 3 phases and N + "0" position).



positions (°)



Cam switches, K30series							
Function	Switches	Switches	Changeover	Starting	Starting	Reversing	
		ON-OFF	with "0" position	star-delta	2-speed		
Degree of protection front face	IP 40	IP 40	IP 40	IP 40	IP 40	IP 40	
Conventional thermal current (Ith)	32 A	32 A	32 A	32 A	32 A	32 A	
Rated insulation voltage (Ui) conforming to IEC60947-1	690 V	690 V	690 V	690 V	690 V	690 V	
Number of positions	2	2	3	3	3	3	
Number of poles	3	3	4	3	3	3	
Dimensions of front plate (mm)	64 x 64	64 x 64	64 x 64	64 x 64	64 x 64	64 x 64	
Front mounting method Multifixing	K30C003AP (3)	K30C003HP (3)	K30D004HP (3)	K30H004UP (3)	K30H001YP (3)	K30H004PP (3)	K30E003WP (3)

(3) To order switches with other thermal current ratings (50, 63, 115, 150 A): replace the number 30 in the reference by 50, 63, 115 or 150 respectively.

Example: a switch with a 32 A current rating, for example K30C003AP, becomes K50 C003AP for a current rating of 50 A.

Accessories for cam switches K1/K2

Rubber seals			
for IP 65 degree of protection			
For use with heads	with 45 x 45 mm front plate Ø 22 mm hole or 4 hole front mtg.	with 60 x 60 mm front plate Ø 22 mm hole or 4 hole front mtg.	with 45 x 45 mm front plate multifixing
References (5)*	KZ65	KZ66	KZ73

* sold in lots of

Ø 40 mm / Up to IP54



Complete, pre-wired tower lights		Steady light			Steady / Flashing light (1)	
Light source (included)		LEDs			LEDs	
Base mount		Base mounting	Support tube mounting, 17 mm		Support tube mounting, 17 mm	
Buzzer		Without buzzer			With buzzer + flashing light	
Degree of protection		up to IP54			up to IP54	
Voltage		24V AC/DC	24V AC/DC	100-240V AC	24V AC/DC	100 - 240V AC
References (2)	Red	XVC4B1K	XVC4B1	XVC4M1 (4)	XVC4B15S	XVC4M15S (4)
	Red / orange	XVC4B2K	XVC4B2	XVC4M2	XVC4B25S	XVC4M25S
	Red / Orange / green	XVC4B3K	XVC4B3	XVC4M3	XVC4B35S	XVC4M35S
	red / orange / green / blue	XVC4B4K	XVC4B4	XVC4M4	XVC4B45S	XVC4M45S
	red / orange / green / blue / Clear	XVC4B5K	XVC4B5	XVC4M5	XVC4B55S	XVC4M55S

Ø 60 mm / Up to IP54



Complete, pre-wired tower lights		Steady light			Steady / Flashing light ⁽¹⁾		
Light source (included)		LEDs			LEDs		
Base mount		Base mounting	Support tube mounting, 22 mm		Support tube mounting, 22 mm		Base mounting
Buzzer		Without buzzer			With buzzer + flashing light		
Degree of protection		up to IP54			up to IP54		
Voltage		24V AC/DC	24V AC/DC	100-240 V AC ⁽⁴⁾	24V AC/DC	100-240 V AC ⁽⁴⁾	
References ⁽²⁾	Red	XVC6B1K	XVC6B1	XVC6M1 ⁽³⁾	XVC6B15S ⁽³⁾	XVC6M15S	XVC6M15SK
	Red / orange	XVC6B2K	XVC6B2	XVC6M2 ⁽³⁾	XVC6B25S ⁽³⁾	XVC6M25S	XVC6M25SK
	Red / Orange / green	XVC6B3K	XVC6B3	XVC6M3 ⁽³⁾	XVC6B35S ⁽³⁾	XVC6M35S	XVC6M35SK
	red / orange / green / blue	XVC6B4K	XVC6B4	XVC6M4 ⁽³⁾	XVC6B45S ⁽³⁾	XVC6M45S	XVC6M45SK
	red / orange / green / blue / Clear	XVC6B5K	XVC6B5	XVC6M5 ⁽³⁾	XVC6B55S ⁽³⁾	XVC6M55S	XVC6M55SK

Ø 100 mm / Up to IP54



Complete, pre-wired tower lights		Steady / Flashing light (1)					
Light source (included)		LEDs					
Base mount		Base mounting					
Buzzer		Without buzzer			With buzzer + flashing light		
Degree of protection		up to IP54			up to IP54		
Voltage		24V DC (4)	100-240V AC (4)		24VDC (4)	100-240V AC (4)	24VDC (4)
References (2)	Red	XVC1B1K	XVC1M1K	XVC1B1SK	XVC1M1SK	XVC1B1HK	XVC1M1HK
	Red / orange	XVC1B2K	XVC1M2K	XVC1B2SK	XVC1M2SK	XVC1B2HK	XVC1M2HK
	Red / Orange / green	XVC1B3K	XVC1M3K	XVC1B3SK	XVC1M3SK	XVC1B3HK	XVC1M3HK
	red / orange / green / blue	XVC1B4K	XVC1M4K	XVC1B4SK	XVC1M4SK	-	-
	red / orange / green / blue / Clear	XVC1B5K	XVC1M5K	XVC1B5SK	XVC1M5SK	-	-

(1) Flashing function can be simply selected/programmed by wiring

(2) The colours are listed in the same order as the mounting order of the illuminated units (from top to bottom)

(3) To order products for base mounting, add the letter K to the end of the reference (ex. XVC6M1K)

(4) NPN only

Ø 45 mm / IP40



Illuminated beacons XVDLS		Steady light	Flashing light
Light source		Incandescent BA 15d bulb, 5 W max. (not included)	"Flash" discharge tube, 0.5 J
Degree of protection		IP 40	
References (1)	24...230 V AC/DC	XVDLS3●	–
	24 V AC/DC	–	XVDLS6B●
	120 V AC	–	XVDLS6G●
	230 V AC	–	XVDLS6M●

(1) To obtain the complete reference, replace the ● by the number designating the colour as follow: 3 = green , 4 = red , 5 = orange, 6 = blue, 7 = clear, 8 = yellow.

Accessories

XVDLS

Incandescent bulbs, with BA 15d base	Beacons XVDLS		
Description	24 V, 4 W	120 V, 5 W	230 V, 5 W
References	DL1BEBS	DL1BEGS	DL1BEMS



XVC4 / XVC6

Mounting accessories		Tower lights Ø 40 mm, XVC4			Tower lights Ø 60 mm, XVC6		
Description		Support tube mounting			Support tube mounting	Base mounting	Support tube mounting
Diameter (mm)		Ø 90	Ø 84	–	Ø 100	Ø 84	–
For use with		–	–	–	XVC6●●and XVC6●●5S	XVC6●●K and XVC6●●5SK	XVC6B●and XVC6B●●5S, XVC6M●and XVC6M●5S
Height to be added (mm)		32	24,5	82	30	21,6	82
References	Metal fixing plate	XVCZ11	–	–	XVCZ02	XVCZ12	–
	Plastic fixing plate	–	XVCZ01	–	–	–	–
	Wall mounting bracket	–	–	XVCZ31	–	–	XVCZ32



XVC1

Mounting accessories		Tower lights Ø 100 mm, XVC1			
Description		Vertical support			
Diameter (mm)		Ø 140	Ø 140	–	–
For use with		XVC1●●K and XVC1●●SK	XVC1●●HK (with siren)	XVC1●●K and XVC1●●SK	XVC1●●HK (with siren)
Height to be added (mm)		300	306	–	–
References	Metal fixing plate (2)	XVCZ13	XVCZ14	–	–
	Metal fixing bracket	–	–	XVCZ23	XVCZ24

(2) Chromium plated-steel extension tube



Ø 70 mm / Up to IP66

Illuminated beacons XVBL		Steady light		Flashing light	
Light source		Incandescent BA 15d bulb, 10 W max. (not included)	Protected BA 15d LED (included)	Protected BA 15d LED (included)	"Flash" discharge tube 5 J (2)
Degree of protection		IP 66			
References (1)	12...250 V AC/DC	XVBL3●	–	–	–
	24 V AC/DC	–	XVBL0B●	XVBL1B●	XVBL6B●
	120 V AC	–	XVBL0G●	XVBL1G●	XVBL6G●
	230 V AC	–	XVBL0M●	XVBL1M●	XVBL6M●



Ø 70 mm / Up to IP66

Tower lights XVBC comprising 2 to 5 signalling units (3)		Base units	Steady light		Flashing light	"Flash" light	Audible units (90 db at 1 m)
Light source		–	Incandescent BA 15d bulb, 10 W max. (not included)	Integral protected LED	Integral protected LED	"Flash" discharge tube 5 J (2)	–
Degree of protection		IP 66					
Base unit references	with cover	XVBC21 (4)	–	–	–	–	–
	without cover	XVBC07 (5)	–	–	–	–	–
References (2)	12... 230 V AC/DC	–	XVBC3●	–	–	–	–
	24 V AC/DC	–	–	XVBC2B●	XVBC5B●	XVBC6B●	–
	120 V AC	–	–	XVBC2G●	XVBC5G●	XVBC6G●	–
	230 V AC	–	–	XVBC2M●	XVBC5M●	XVBC6M●	–
Audible unit references	12...48 V AC/DC	–	–	–	–	–	XVBC9B
	unidirectional 120...230 V AC	–	–	–	–	–	XVBC9M

(1) To obtain the complete reference, replace the ● by the number designating the colour as follow: 3 = green , 4 = red , 5 = orange, 6 = blue, 7 = clear, 8 = yellow.

(2) To order a lens unit with a 10 J discharge tube, replace the number 6 by 8 in the reference (example: XVBL6B● becomes XVBL8B●).

(3) A tower light comprises: 1 base unit + 1 to 5 signalling units maximum.

(4) For connection on AS-Interface, order base unit XVBC21A (side cable entry) or XVBC21B (bottom cable entry with M12 connector on flying lead).

(5) For indicator banks with "flash" discharge tube unit.



Ø 70 mm / Up to IP54

Illuminated beacons XVEL		Steady light		Flashing light
Light source		Incandescent BA 15d bulb, 5 W max. (not included)	Integral LED	"Flash" discharge tube, 1 J
Degree of protection		IP 42/IP 54 (with sealing kit)		
References (1)	24... 240 V AC/DC	XVEL3●	–	
	24 V AC/DC	–	XVEL2B●	XVEL6B●
	120 V AC	–	XVEL2G●	XVEL6G●
	230 V AC	–	XVEL2M●	XVEL6M●



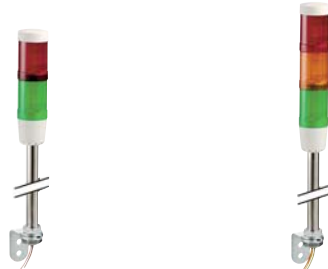
Ø 70 mm / Up to IP54

Indicator banks XVEC comprising 2 to 5 signalling units (2)		Base units	Steady light		Flashing light	"Flash" light	Audible units (85 db at 1 m)
Light source		–	Incandescent BA 15d bulb, 5 W max. (not included)	Integral LED	Integral LED	"Flash" discharge tube 1 J	–
Degree of protection		IP 42/IP 54 (with sealing kit)					
Base unit references	IP 42	XVEC21	–	–	–	–	–
	IP 54	XVEC21P	–	–	–	–	–
Lens unit references (1)	24...230 V AC/DC	–	XVEC3●	–			
	24 V AC/DC	–	–	XVEC2B●	XVEC5B●	XVEC6B●	XVEC9B
	120 V AC	–	–	XVEC2G●	XVEC5G●	XVEC6G●	XVEC9G
	230 V AC	–	–	XVEC2M●	XVEC5M●	XVEC6M●	XVEC9M

(1) To obtain the complete reference, replace the● by the number designating the colour as follow: 3 = green , 4 = red , 5 = orange, 6 = blue, 7 = clear, 8 = yellow.

(2) A tower light comprises: 1 base unit + 1 to 5 signalling units maximum.

Modular tower lights Ø 45, Ø 50 mm, complete or for customer assembly



Ø 45 mm / IP42

Complete, pre-wired tower light XVM (1)		2 sig. units + integral buzzer (2)		3 signalling units + integral buzzer (2)			
		Steady light		Steady light		Steady light + "flash" (3)	
Light source (included)		Incandescent BA 15d bulb, 5 W max.	BA 15d "Super bright" LED	Incandescent BA 15d bulb, 5 W max.	BA 15d "Super bright" LED	Incandescent BA 15d bulb, 5 W max.	BA 15d "Super bright" LED
Degree of protection		IP 54					
Signalling colours		Red - Green		Red - Orange - Green			
References	24 V AC/DC	XVMB1RGS	XVMB2RGSSB	XVMB1RAGS	XVMB2RAGSSB	XVMB1R6AGS	XVMB2R6AGSSB
	120 V AC/DC (bulb) - 120 V AC (LED)	XVMG1RGS	XVMG2RGSSB	XVMG1RAGS	XVMG2RAGSSB	XVMG1R6AGS	XVMG2R6AGSSB
	230 V AC/DC (bulb) - 230 V AC (LED)	XVMM1RGS	XVMM2RGSSB	XVMM1RAGS	XVMM2RAGSSB	XVMM1R6AGS	XVMM2R6AGSSB

(1) Tower lights XVM are also available as separate components for customised assembly by the user: please refer to www.schneider-electric.com.

(2) To order products without an integral buzzer, delete the letter **S** at the end of the reference (example: XVMB2RGS becomes XVMB2RG, XVMB2RGSSB becomes XVMB2RGSB).

(3) Flash signalling colour: red - 0.8 J.



Ø 50 mm / IP65

Tower lights XVP comprising 2 to 5 signalling units (4), black clamping ring (5)		Base unit	Steady or flashing light signalling	"Flash" light signalling		Audible units (55...85 dB at 1 m)
Light source		—	Incandescent BA 15d bulb, 7 W max. (not included)	"Flash" discharge tube 0.3 J	"Flash" discharge tube 0.6 J	—
Degree of protection		IP 65				
Base unit	with cover	XVPC21	—	—	—	—
References (6)	250 V max.	—	XVPC3●	—	—	—
	24 V AC/DC (flash) - 24 V DC (buzzer)	—	—	XVPC6B●	—	XVPC09B
	120 V AC	—	—	—	XVPC6G●	XVPC09G
	230 V AC	—	—	—	XVPC6M●	XVPC09M

(4) A tower light comprises: 1 base unit + 1 to 5 signalling units maximum.

(5) To order products with a cream clamping ring, add the letter **W** to the end of the reference (example: base unit + green lens unit: XVPC21W + XVPC33W etc.).

(6) To obtain the complete reference, replace the ● by the number designating the colour as follow: 3 = green , 4 = red , 5 = orange, 6 = blue, 7 = clear, 8 = yellow.



Bulbs		Beacons and tower lights XVB / XVP (1)			
Type of light source		Incandescent BA 15d base 7 W	Incandescent BA 15d base 10 W (not XVP)	LED (2) BA 15d base	Flashing LED (2) BA 15d base
References	12 V	DL1BEJ	DL1BLJ	–	–
	24 V	DL1BEB	DL1BLB	DL1BDB●	DL1BKB●
	48 V	DL1BEE	DL1BLE	–	–
	120 V	DL1BEG	DL1BLG	DL1BDG●	DL1BKG●
	230 V	DL1BEM	DL1BLM	DL1BDM●	DL1BKM●

(1) Tower lights XVP can be fitted with 5 W incandescent bulbs: see beacons XVDLS / XVE.

(2) To obtain the complete reference, replace the ● by the number designating the colour as follow: 1 = white, 3 = green, 4 = red, 5 = orange, 6 = blue, 8 = yellow.



Bulbs		Tower lights XVM			
Type of light source		Incandescent BA 15d base 5 W	LED (3) BA 15d base	Flashing LED (3) BA 15d base	"Flash" discharge tube, 0.8 Joule BA 15d base
References	24 V	DL1EDBS	DL2EDB●SB	DL1EKB●SB	DL6BB
	120 V	DL1EDGS	DL2EDG●SB	DL1EKG●SB	DL6BG
	230 V	DL1EDMS	DL2EDM●SB	DL1EKM●SB	DL6BM

(3) To obtain the complete reference, replace the ● by the number designating the colour as follows: 1 = white, 3 = green, 4 = red, 6 = blue, 8 = orange.



Mounting accessories		Beacons and tower lights XVB / XVE		Tower lights XVP		Tower lights XVM	
		Aluminium tube with integral black plastic fixing base	Plastic tube with integral black plastic fixing base	Aluminium tube with integral black plastic fixing base	Aluminium tube with steel fixing bracket	Aluminium tube with integral cream plastic fixing base	Aluminium tube with steel fixing bracket
Description		Ø 25	Ø 25	Ø 20	Ø 20	Ø 20	Ø 20
Support tubes	60 mm	XVEZ13	–	–	–	–	–
	100 mm	–	–	–	XVPC02T	XVMZ02	XVMZ02T
	112 mm	–	–	XVPC02 (4)	–	–	–
	120 mm	XVBZ02	–	–	–	–	–
	140 mm	–	XVDC02	–	–	–	–
	250 mm	–	–	–	XVPC03T	XVMZ03	XVMZ03T
	260 mm	–	–	XVPC03 (4)	–	–	–
	400 mm	–	–	–	XVPC04T	XVMZ04	XVMZ04T
	410 mm	–	–	XVPC04 (4)	–	–	–
	420 mm	XVBZ03	–	–	–	–	–
	820 mm	XVBZ04	–	–	–	–	–
Fixing plates,	for vertical support	XVBC12		XVPC12 (4)		–	
	for horizontal support	XVBZ01		–		XVMZ06	

(4) To order an aluminium support tube with integral cream fixing base, add the letter **W** to the end of the reference (example: XVPC02W).



Ø 84 / 106 mm

Complete, pre-wired rotating beacons		Ø 84 mm		Ø 106 mm	
Light source (included)		" Super bright " LEDs			
Base mount		3 x Ø 05			
Buzzer		Without buzzer			
Degree of protection		IP23 (IP 65 with accessories)		IP23 (IP 55 with accessories)	
Voltage		12V AC/DC	24V AC/DC	12V AC/DC	24V AC/DC
References	Red	XVR08J04	XVR08B04	XVR10J04	XVR10B04
	Orange	XVR08J05	XVR08B05	XVR10J05	XVR10B05
	Green	XVR08J03	XVR08B03	XVR10J03	XVR10B03
	Blue	XVR08J06	XVR08B06	XVR10J06	XVR10B06



Ø 120 mm

Complete, pre-wired rotating beacons		Ø 120 mm			
Light source (included)		" Super bright " LEDs			
Base mount		3 x M5			
Buzzer		Without buzzer		With buzzer	
Degree of protection		IP23			
Voltage		12V AC/DC	24V AC/DC	12V AC/DC	24V AC/DC
References	Red	XVR12J04	XVR12B04	XVR12J04S	XVR12B04S
	Orange	XVR12J05	XVR12B05	XVR12J05S	XVR12B05S
	Green	XVR12J03	XVR12B03	XVR12J03S	XVR12B03S
	Blue	XVR12J06	XVR12B06	XVR12J06S	XVR12B06S



Ø 130 mm

Complete, pre-wired rotating beacons		Ø 130 mm				
Light source (included)		" Super bright " LEDs				
Base mount		3 x Ø 09				
Buzzer		Without buzzer				
Degree of protection		IP66 - Resistant to vibration		IP66 and IP67		
Voltage		12V DC	24V DC	24V AC/DC	120V AC	230V AC
References	Red	XVR13J04	XVR13B04	XVR13B04L	XVR13G04L	XVR13M04L
	Orange	XVR13J05	XVR13B05	XVR13B05L	XVR13G05L	XVR13M05L



Accessories for rotating mirrors		Reflecting prism	Rubber base	Metal angle bracket	Metal fixing plate
To be used for/with		–	Increasing the IP degree	Horizontal support	Horizontal support
Height (mm)		–	–	–	300
References	Ø 84 mm	XVRZR1	XVRZ081	XVCZ23	–
	Ø 106 mm	XVRZR2	XVRZ082	XVCZ23	XVCZ13
	Ø 120 mm	XVRZR3	–	XVCZ23	XVCZ13
	Ø 130 mm	XVRZR3	–	XVR012L	–

Electronic alarms and multisound sirens



Sirens and electronic alarms		Sirens	Multisound sirens pre-wired	Electronic alarms Panel Mount DIN72		Electronic alarms Panel Mount DIN96	
Sound level		106 dB	105 dB	90 dB		96 dB	
Tones		2	43	16		16	
Channels		–	8	4		4	
Degree of protection		IP 53	IP53	IP 54		IP 54	
Colors		White	White	Black	White	Black	White
References	12/24V AC/DC	XVS10BMW	–	XVS72BMB● (1)	XVS72BMW● (1)	XVS96BMB● (1)	XVS96BMW● (1)
	12/24V DC	–	XVS14BMW	–	–	–	–
	120V AC	XVS10GMW	XVS14GMW	–	–	–	–
	230V AC	XVS10MMW	XVS14MMW	–	–	–	–

(1) To obtain a complete reference, replace the ● by the letter as follow: **P** = PNP, **N** = NPN (ex. XVS72BMBP)

Pendant control stations for control circuits

Ready to use



Type XACA "Pistol grip"

Degree of protection		IP 65 / Nema 4, 4X / Class II			
Rated operational characteristics		AC 15 (240 V 3 A), DC 13			
Conventional thermal current		10 A			
Connection		Screw clamp terminals, 1 x 2.5 mm ² or 2 x 1.5 mm ²			
For control of		single-speed motors 		2-speed motors 	
Dimensions (mm)	W x H x D	52 x 295 x 71 (x 85 with ZA2BS834)		52 x 295 x 71 (x 85 with ZA2BS834)	
Number of operators	mechanically interlocked	2		2	
	Emergency stop	without	ZA2BS834	without	ZA2BS834
References		XACA201	XACA2014	XACA207	XACA2074



Type XACA

For control of single-speed motors				
Dimensions (mm)	W x H x D	80 x 314 x 70 (x 90 with ZA2BS834)		80 x 440 x 70 (x 90 with ZA2BS844)
Number of operators	mechanically interlocked between pairs	2		4
	Emergency stop	without	ZA2BS834	without ZA2BS844
References		XACA271	XACA2714	XACA471 XACA4714

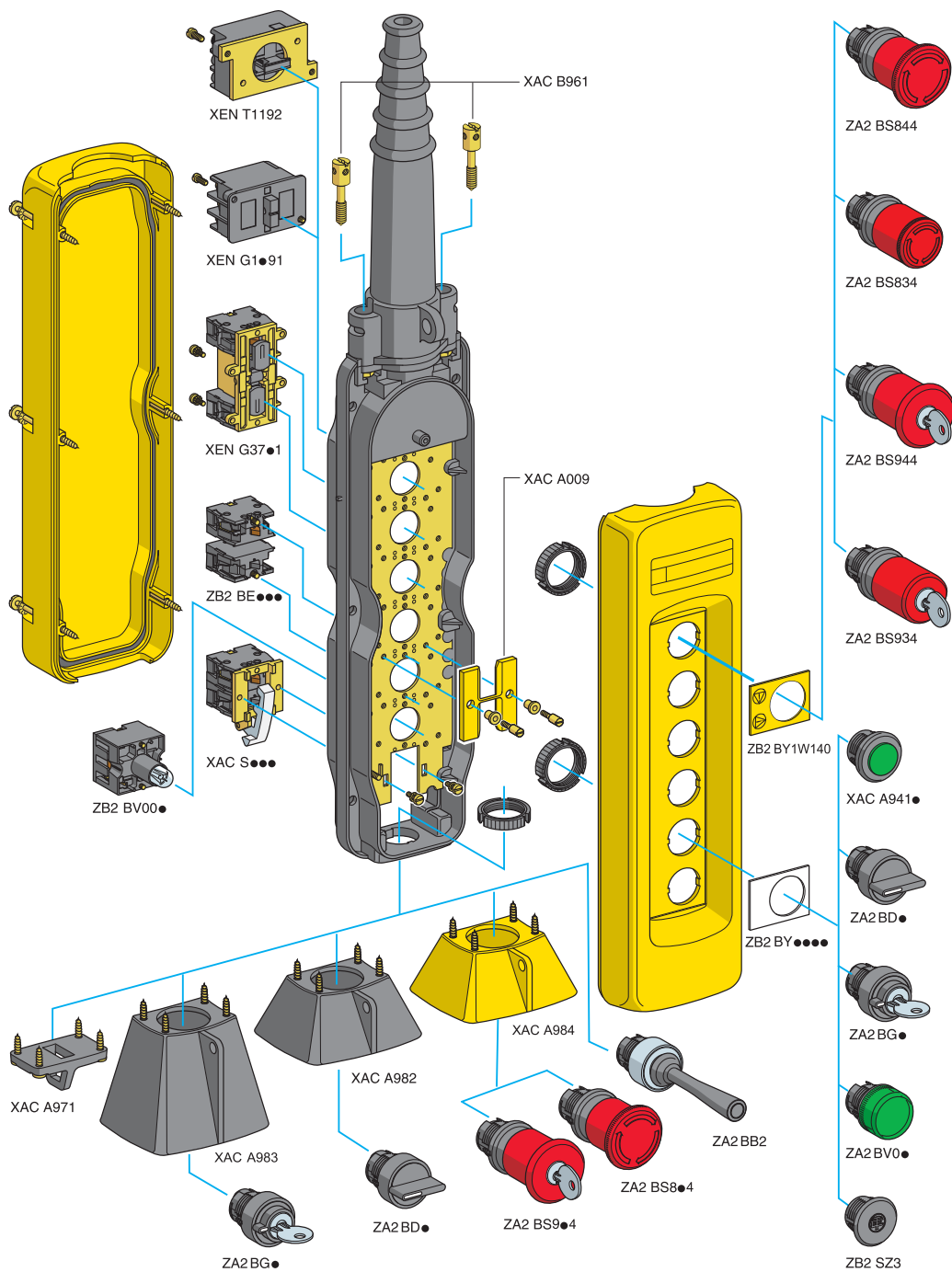


For control of single-speed motors				
Dimensions (mm)	W x H x D	80 x 500 x 70 (x 90 with ZA2BS844)		80 x 560 x 70
Number of operators	mechanically interlocked between pairs	6		8
	Emergency stop	without	ZA2BS844	without
References		XACA671	XACA6714	XACA871

Empty enclosures type XACA

Number of ways	2	3	4	5	6	8	12
References	XACA02	XACA03	XACA04	XACA05	XACA06	XACA08	XACA12

Separate components (for mounting in enclosures XACA)



turn to release	Ø 40	ZA2BS844
	Ø 30	ZA2BS834

key release	Ø 40	ZA2BS944
	Ø 30	ZA2BS934

white		XACA9411
black		XACA9412

2 pos. stay put	ZA2BD2
3 pos. stay put	ZA2BD3

key n° 455	2 pos. stay put	ZA2BG4
	3 pos. stay put	ZA2BG5

white		ZA2BV01
green		ZA2BV03
red		ZA2BV04
yellow		ZA2BV05

direct supply	ZB2BV006
direct supply, through resistor	ZB2BV007

with seal and fixing nut	ZB2SZ3
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Emergency stop NC+NC+NC with positive opening operation	XENT1192
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Single-speed NC+NO	XENG1491
2-speed NC+NO+NO	XENG1191

Single-speed NO+NO	XENG3781
Single-speed NO+NC	XENG3791

Single-speed NO	ZB2BE101
Single-speed NC	ZB2BE102

NO	XACS101
NC+NO	XACS105

For selector switch	XACA982/983
For emergency stop pushbutton	XACA984








 blank
 white or yellow
 background

(1) Trigger action mechanically latching Emergency stop pushbuttons conform to standards EN/IEC 60204-32, EN/ISO 13850, Machinery directive 2006/42/EC and standard EN/IEC 60947-5-5.

Notes

The image consists of a solid green horizontal bar at the top, followed by a series of alternating light green and white horizontal stripes that fill the rest of the frame. The stripes are uniform in width and spacing, creating a clean, minimalist pattern.

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