

















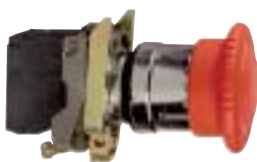

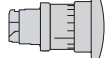







Pulsador								
Tipo de cabeza			Ariño cromado					
montaje entre centros posterior a la cabeza			30 x 40 43					
Fondo (mm)			Atornillable					
Conección (1)								
Tipo de pulsador			Rasante			Rasante, protegido		
No marcado		Productos	Completo	Para ensamblar		Completo	Para ensamblar	
								
Referencia	black	 N/O	XB4 BA21	ZB4 BZ101	ZB4 BA2	XB4 BP21	ZB4 BZ101	ZB4 BP2
	green	 N/O	XB4 BA31	ZB4 BZ101	ZB4 BA3	XB4 BP31	ZB4 BZ101	ZB4 BP3
	red	 N/C	XB4 BA42	ZB4 BZ102	ZB4 BA4	XB4 BP42	ZB4 BZ102	ZB4 BP4
	yellow	 N/O	XB4 BA51	ZB4 BZ101	ZB4 BA5	XB4 BP51	ZB4 BZ101	ZB4 BP5
	blue	 N/O	XB4 BA61	ZB4 BZ101	ZB4 BA6	XB4 BP61	ZB4 BZ101	ZB4 BP6
Tipo de pulsador			Rasante			Hongo, Ø 40 mm		
Con marcaje internacional		Productos	Completo	Para ensamblar		Completo	Para ensamblar	
Referencias	green	 N/O	XB4 BA3311	ZB4 BZ101	ZB4 BA331	–	–	–
	red	 N/C	XB4 BA4322	ZB4 BZ102	ZB4 BA432	–	–	–
Tipo de pulsador			Saliente			Hongo, Ø 40 mm		
Sin marcar		Productos	Completo	Para ensamblar		Completo	Para ensamblar	
								
Referencias	black	 N/O	–	–	–	XB4 BC21	ZB4 BZ101	ZB4 BC2
	red	 N/C	XB4 BL42	ZB4 BZ102	ZB4 BL4	–	–	–
Tipo de pulsador			Doble-tecla			Doble-tecla protegido		
Grado de protección			IP 40			IP 66		
Con marcaje internacional		Productos	Completo	Para ensamblar		Completo	Para ensamblar	
								
Referencias	green / red	 N/C + N/O	XB4 BL845	ZB4 BZ105	ZB4 BL8434	XB4 BL945	ZB4 BZ105	ZB4 BL9434



Hongo 40 Ø mm paro de emergencia								
Tipo de pulsador			Pulsar-jalar (N/C)			Pulsar-jalar (N/C + N/O)		
Sin marcar		Productos	Completo	Para ensamblar		Completo	Para ensamblar	
								
Referencias	red	 N/C or N/C + N/O	XB4 BT42	ZB4 BZ102	ZB4 BT4	XB4 BT845	ZB4 BZ105	ZB4 BT84
	Tipo de pulsador		Girar para liberar (N/C)			Girar para liberar (N/C + N/O)		
Referencias	red	 N/C or N/C + N/O	XB4 BS542	ZB4 BZ102	ZB4 BS54	XB4 BS8445	ZB4 BZ105	ZB4 BS844
Tipo de pulsador			Usar llave para liberar (N/C)			Usar llave para liberar (N/C + N/O)		
Referencias	red	 N/C or N/C + N/O	XB4 BS142	ZB4 BZ102	ZB4 BS14	XB4 BS9445	ZB4 BZ105	ZB4 BS944



Selectores					
Tipo de cabeza		Arillo cromado			
Tipo de actuador		Palanca corta			
Productos		Completo	Para ensamblar	Completo	Para ensamblar
Numero y tipo de posiciones		2 posiciones	2 posiciones	2 posiciones	2 posiciones
Referencias	black ● N/O	XB4 BD21	ZB4 BZ101 ZB4 BD2	XB4 BD41	ZB4 BZ101 ZB4 BD4
Number and type of positions		3 posiciones	3 posiciones	3 posiciones	3 posiciones
Referencias	black ● N/O + N/O	XB4 BD33	ZB4 BZ103 ZB4 BD3	XB4 BD53	ZB4 BZ103 ZB4 BD5



Tipo de actuador					
Productos		Llave, n° 455			
		Completo	Para ensamblar	Completo	Para ensamblar
Numero y tipo de posiciones (2)		2 posiciones	2 posiciones	2 posiciones	2 posiciones
Referencias	black ● N/O	XB4 BG21	ZB4 BZ101 ZB4 BG2	XB4 BG41	ZB4 BZ101 ZB4 BG4
Numero y tipo de posiciones		2 positions	2 positions	3 positions	3 positions
Referencias	black ● N/O	XB4 BG61	ZB4 BZ101 ZB4 BG6	–	–
	black ● N/O + N/O	–	–	XB4 BG33	ZB4 BZ103 ZB4 BG3

Solo contacto



Bloque eléctrico	
Rated operational characteristics	AC-15, 240 V - 3 A
Positive operation of contacts conforming to IEC/EN 60947-5-1	All functions incorporating a N/C contact are positive opening operation
References (5)*	N/O Abierto ZBE 101
	N/C Cerrado ZBE 102



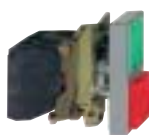
Pilotos

Fuente de luz		Integral LED			Bulbo BA 9s (no incluido)		
Productos		Completo			Completo	Para ensamblar	
Supply voltage		24 V AC/DC	48...120 V AC	230...240 V AC	250 V max., 2.4 W max.		
References	white ●	XB4 BVB1	XB4 BVG1	XB4 BVM1	XB4 BV61	ZB4 BV6	ZB4 BV01
	green ●	XB4 BVB3	XB4 BVG3	XB4 BVM3	XB4 BV63	ZB4 BV6	ZB4 BV03
	red ●	XB4 BVB4	XB4 BVG4	XB4 BVM4	XB4 BV64	ZB4 BV6	ZB4 BV04
	yellow ●	XB4 BVB5	XB4 BVG5	XB4 BVM5	XB4 BV65	ZB4 BV6	ZB4 BV05
	blue ●	XB4 BVB6	XB4 BVG6	XB4 BVM6	–	–	–



Pulsadores iluminados

Fuente de luz		Integral LED			Bulbo BA 9s (no incluido)		
Productos		Completo			Completo	Para ensamblar	
Supply voltage		24 V AC/DC	48...120 V AC	230...240 V AC	250 V max., 2.4 W max.		
References	white ● N/C + N/O	XB4 BW31B5	XB4 BW31G5	XB4 BW31M5	XB4 BW3165	ZB4 BW065	ZB4 BW31
	green ● N/C + N/O	XB4 BW33B5	XB4 BW33G5	XB4 BW33M5	XB4 BW3365	ZB4 BW065	ZB4 BW33
	red ● N/C + N/O	XB4 BW34B5	XB4 BW34G5	XB4 BW34M5	XB4 BW3465	ZB4 BW065	ZB4 BW34
	yellow ● N/C + N/O	XB4 BW35B5	XB4 BW35G5	XB4 BW35M5	XB4 BW3565	ZB4 BW065	ZB4 BW35
	blue ● N/C + N/O	XB4 BW36B5	XB4 BW36G5	XB4 BW36M5	–	–	–



Tipo	Doble-cabeza con LED (Verde rasante, Rojo saliente)			Selector iluminado (2 posiciones)		
Degree of protection	IP 40			IP 65		
Light source	Integral LED			Integral LED		
	Completo			Completo		
Supply voltage	24 V AC/DC	48...120 V AC	230...240 V AC	24 V AC/DC	48...120 V AC	230...240 V AC
References	green ● N/C + N/O	–	–	XB4 BK123B5	XB4 BK123G5	XB4 BK123M5
	red ● N/C + N/O	–	–	XB4 BK124B5	XB4 BK124G5	XB4 BK124M5
	yellow ● N/C + N/O	XB4 BW84B5	XB4 BW84G5	XB4 BW84M5	XB4 BK125B5	XB4 BK125G5
						XB4 BK125M5



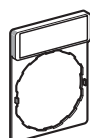
Electrical blocks

	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	N/C contacts with positive opening operation	14 mA	120 V AC			
		14 mA	240 V AC			
		To combine with heads for integral LED				For BA 9s bulb (not included)
			24 V AC/DC	48...120 V AC	230...240 V AC	250 V max., 2.4 W max.
References (5)*	N/O ZBE 101	white ●	ZBV B1	ZBV G1	ZBV M1	ZBV 6
	N/C ZBE 102	green ●	ZBV B3	ZBV G3	ZBV M3	Colour provided by lens
		red ●	ZBV B4	ZBV G4	ZBV M4	
		yellow ●	ZBV B5	ZBV G5	ZBV M5	
		blue ●	ZBV B6	ZBV G6	ZBV M6	



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	XAP M1201	-	-	-	XAP M1202	-	-
	80 x 130 mm	-	XAP M2202	XAP M2203	-	-	XAP M2204	-
	80 x 175 mm	-	-	XAP M3203	XAP M3204	-	-	XAP M3206



Accessories

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

Marking	Background colour: black or red						white or yellow	
References (10)*	Blank	ZBY 2101						ZBY 4101
International	0 (red background)	ZBY 2931	I	ZBY 2147	AUTO	ZBY 2115	STOP ZBY 2304	-
English	OFF	ZBY 2312	ON	ZBY 2311	START	ZBY 2303	-	-
French	ARRET (red b/grnd)	ZBY 2104	ARRET-MARCHE	ZBY 2166	MARCHE	ZBY 2103	-	-
German	AUS	ZBY 2204	AUS-EIN	ZBY 2266	EIN	ZBY 2203	-	-
Spanish	PARADA (red b/grnd)	ZBY 2404	PARADA-MARCHA	ZBY 2466	MARCHA	ZBY 2403	-	-

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

Background colour	black or red						white or yellow	
References (10)*	Blank	ZBY 6101						ZBY 6102

Ø 60 mm legend for mushroom head Emergency stop pushbutton

Background colour	yellow					
Marking	Blank	EMERGENCY STOP	ARRET D'URGENCE	NOT-AUS	PARADA DE EMERGENCIA	
References	ZBY 9101	ZBY 9330	ZBY 9130	ZBY 9230	ZBY 9430	

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

* sold in lots of





Pushbuttons, spring return

Type of head		Circular bezel			
Degree of protection		IP 65 / Nema 4X, 13 / Class II. (IP 66 for booted pushbuttons)			
Mounting (mm)	panel cut-out	Ø 22.5 (22.4 ^{+0.4} ₀ recommended)			
	mounting centres	30 x 40			
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 ● N/O	XB5 AA21	ZB5 AZ101 ZB5 AA2	XB5 AP21	ZB5 AZ101 ZB5 AP2
	green ● N/O	XB5 AA31	ZB5 AZ101 ZB5 AA3	XB5 AP31	ZB5 AZ101 ZB5 AP3
	red ● N/C	XB5 AA42	ZB5 AZ102 ZB5 AA4	XB5 AP42	ZB5 AZ102 ZB5 AP4
	yellow ● N/O	XB5 AA51	ZB5 AZ101 ZB5 AA5	XB5 AP51	ZB5 AZ101 ZB5 AP5
	blue ● N/O	XB5 AA61	ZB5 AZ101 ZB5 AA6	XB5 AP61	ZB5 AZ101 ZB5 AP6
Type of push		Flush		Mushroom head, Ø 40 mm	
With international marking	Products	Complete	For user assembly	Complete	For user assembly
References	green ⓘ N/O	XB5 AA3311	ZB5 AZ101 ZB5 AA3311	–	–
	red ⓘ N/C	–	–	XB5 AA4322	ZB5 AZ102 ZB5 AA4322
Type of push		Projecting		Mushroom head, Ø 40 mm	
Unmarked	Products	Complete	For user assembly	Complete	For user assembly
References	black ● N/O	–	–	XB5 AC21	ZB5 AZ101 ZB5 AC2
	red ● N/C	XB5 AL42	ZB5 AZ102 ZB5 AL4	–	–
Type of push		Double-headed pushbuttons		Double-headed pushbuttons, booted	
Degree of protection		IP 40		IP 66	
With international marking	Products	Complete	For user assembly	Complete	For user assembly
References	green / red ⓘ N/C + N/O	XB5 AL845	ZB5 AZ105 ZB5 AL8434	XB5 AL945	ZB5 AZ105 ZB5 AL9434
















Ø 40 mm mushroom head Emergency stop pushbuttons

Type of push		Push-pull (N/C)			Trigger action		
Type of push		Push-pull (N/C + N/O)			Push-pull (N/C + N/O)		
Unmarked	Products	Complete	For user assembly	Complete	For user assembly	Complete	For user assembly
References	red ● N/C or N/C + N/O	XB5 AT42	ZB5 AZ102 ZB5 AT4	XB5 AT845	ZB5 AZ105 ZB5 AT84	XB5 AT845	ZB5 AZ105 ZB5 AT84
Type of push		Turn to release (N/C)			Turn to release (N/C + N/O)		
References	red ● N/C or N/C + N/O	XB5 AS542	ZB5 AZ102 ZB5 AS54	XB5 AS8445	ZB5 AZ105 ZB5 AS844	XB5 AS8445	ZB5 AZ105 ZB5 AS844
Type of push		Key release (N/C)			Key release (N/C + N/O)		
References	red ● N/C or N/C + N/O	XB5 AS142	ZB5 AZ102 ZB5 AS14	XB5 AS9445	ZB5 AZ105 ZB5 AS944	XB5 AS9445	ZB5 AZ105 ZB5 AS944

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



Selector switches and key switches

Type of head			Circular bezel			
Degree of protection			IP 65 / Nema 4X, 13 / Class II			
Mounting (mm)		panel cut-out	Ø 22.5 (22.4 ^{+0.4} ₀ recommended)			
		mounting centres	30 x 40			
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 ● N/O	XB5 AD21	ZB5 AZ101 ZB5 AD2	XB5 AD41	ZB5 AZ101 ZB5 AD4
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 ● N/O + N/O	XB5 AD33	ZB5 AZ103 ZB5 AD3	XB5 AD53	ZB5 AZ103 ZB5 AD5
Type of operator			Key, n° 455			
Number and type of positions (2)			2 positions stay put 	2 positions stay put 	2 positions stay put 	2 positions stay put 
References		black ● N/O	XB5 AG21	ZB5 AZ101 ZB5 AG2	XB5 AG41	ZB5 AZ101 ZB5 AG4

(2) The symbol  indicates key withdrawal position.

Separate components and accessories

Electrical blocks						
Single contact blocks			Light blocks with integral LED			Light block, direct supply
			To combine with heads for integral LED			For BA 9s bulb (not included)
				24 V AC/DC	48...120 V AC	230...240 V AC
References (5)*		N/O ZBE 101	white ●	ZBV B1	ZBV G1	ZBV M1
		N/C ZBE 102	green ●	ZBV B3	ZBV G3	ZBV M3
			red ●	ZBV B4	ZBV G4	ZBV M4
			yellow ●	ZBV B5	ZBV G5	ZBV M5
			blue ●	ZBV B6	ZBV G6	ZBV M6
						250 V max., 2.4 W max.
						ZBV6
						Colour provided by lens

Accessories

Legend holders, 30 x 40 mm, for 8 x 27 mm legends											
Marking		Background colour: black or red							white or yellow		
References (10)*		ZBY 2101							ZBY 4101		
References		International	0 (red background)	ZBY 2931	I	ZBY 2147	AUTO	ZBY 2115	STOP	ZBY 2304	-
		English	OFF	ZBY 2312	ON	ZBY 2311	START	ZBY 2303	-	-	-
		French	ARRET (red b/grnd)	ZBY 2104	ARRET-MARCHE	ZBY 2166	MARCHE	ZBY 2103	-	-	-
		German	AUS	ZBY 2204	AUS-EIN	ZBY 2266	EIN	ZBY 2203	-	-	-
		Spanish	PARADA (red b/grnd)	ZBY 2404	PARADA-MARCHA	ZBY 2466	MARCHA	ZBY 2403	-	-	-

Legend holders, 30 x 50 mm, for 18 x 27 mm legends									
Background colour		black or red							white or yellow
References (10)*		ZBY 6101							ZBY 6102

Ø 60 mm legend for mushroom head Emergency stop pushbutton									
Background colour		yellow							
Marking		Blank	EMERGENCY STOP	ARRET D'URGENCE		NOT-AUS	PARADA DE EMERGENCIA		
References		ZBY 9101	ZBY 9330	ZBY 9130		ZBY 9230	ZBY 9430		









		Body/fixing collar			Fixing nut		Bezel tool		Plate
		for electrical block (contact or light)			for head		for tightening fixing nut ZB5 AZ901		anti-rotation
References		ZB5 AZ009 (10)*			ZB5 AZ901 (10)*		ZB5 AZ905		ZB5 AZ902

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

* sold in lots of










Pilot lights




Type of head		Circular bezel					
		Smooth lens cap					
Degree of protection		IP 65 / Nema 4X, 13 / Class II					
Mounting (mm)	panel cut-out	Ø 22.5 (22.4 ^{+0.4} ₀ recommended)					
	mounting centres	30 x 40					
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	48...120 V AC	230...240 V AC	250 V max., 2.4 W max.		
References	white 	XB5 AVB1	XB5 AVG1	XB5 AVM1	XB5 AV61	ZB5 AV6	ZB5 AV01
	green 	XB5 AVB3	XB5 AVG3	XB5 AVM3	XB5 AV63	ZB5 AV6	ZB5 AV03
	red 	XB5 AVB4	XB5 AVG4	XB5 AVM4	XB5 AV64	ZB5 AV6	ZB5 AV04
	yellow 	XB5 AVB5	XB5 AVG5	XB5 AVM5	XB5 AV65	ZB5 AV6	ZB5 AV05
	blue 	XB5 AVB6	XB5 AVG6	XB5 AVM6	–	–	–



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	48...120 V AC	230...240 V AC	250 V max., 2.4 W max.		
References	white  N/C + N/O	XB5 AW31B5	XB5 AW31G5	XB5 AW31M5	XB5 AW3165	ZB5 AW065	ZB5 AW31
	green  N/C + N/O	XB5 AW33B5	XB5 AW33G5	XB5 AW33M5	XB5 AW3365	ZB5 AW065	ZB5 AW33
	red  N/C + N/O	XB5 AW34B5	XB5 AW34G5	XB5 AW34M5	XB5 AW3465	ZB5 AW065	ZB5 AW34
	yellow  N/C + N/O	XB5 AW35B5	XB5 AW35G5	XB5 AW35M5	XB5 AW3565	ZB5 AW065	ZB5 AW35
	blue  N/C + N/O	XB5 AW36B5	XB5 AW36G5	XB5 AW36M5	–	–	–



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 40			IP 65			
Light source	Integral LED			Integral LED			
	Products	Complete			Complete		
Supply voltage		24 V AC/DC	48...120 V AC	230...240 V AC	24 V AC/DC	48...120 V AC	230...240 V AC
References	green  N/C + N/O	–	–	–	XB5 AK123B5	XB5 AK123G5	XB5 AK123M5
	red  N/C + N/O	–	–	–	XB5 AK124B5	XB5 AK124G5	XB5 AK124M5
	yellow  N/C + N/O	XB5 AW84B5	XB5 AW84G5	XB5 AW84M5	XB5 AK125B5	XB5 AK125G5	XB5 AK125M5

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

Separate components and accessories: see previous page.



(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		Shape of head		Flush push		
				rectangular (2)		
Degree of protection				IP 65 / Nema 4, 4X, 13 / Class II		
Mounting (mm)		panel cut-out		$\varnothing 16.2^{+0.2}_0$		
		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 (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	N/O	XB6 DW1B1B	ZB6 E●1B (1)	ZB6 Z1B	ZB6 DW1
		N/C + N/O	XB6 DW1B5B	ZB6 E●1B (1)	ZB6 Z5B	ZB6 DW1
	green	N/O	XB6 DW3B1B	ZB6 E●3B (1)	ZB6 Z1B	ZB6 DW3
		N/C + N/O	XB6 DW3B5B	ZB6 E●3B (1)	ZB6 Z5B	ZB6 DW3
	red	N/C	XB6 DW4B2B	ZB6 E●4B (1)	ZB6 Z2B	ZB6 DW4
		N/C + N/O	XB6 DW4B5B	ZB6 E●4B (1)	ZB6 Z5B	ZB6 DW4
	yellow	N/O	–	ZB6 E●5B (1)	ZB6 Z1B	ZB6 DW5
		N/C + N/O	XB6 DW5B5B	ZB6 E●5B (1)	ZB6 Z5B	ZB6 DW5
Type of push		Latching				
References	white	N/O	–	ZB6 E●1B (1)	ZB6 Z1B	ZB6 DF1
		N/C + N/O	XB6 DF1B5B	ZB6 E●1B (1)	ZB6 Z5B	ZB6 DF1
	green	N/O	XB6 DF3B1B	ZB6 E●3B (1)	ZB6 Z1B	ZB6 DF3
		N/C + N/O	XB6 DF3B5B	ZB6 E●3B (1)	ZB6 Z5B	ZB6 DF3
	red	N/C	XB6 DF4B2B	ZB6 E●4B (1)	ZB6 Z2B	ZB6 DF4
		N/C + N/O	XB6 DF4B5B	ZB6 E●4B (1)	ZB6 Z5B	ZB6 DF4
	yellow	N/O	–	ZB6 E●5B (1)	ZB6 Z1B	ZB6 DF5
		N/C + N/O	–	ZB6 E●5B (1)	ZB6 Z5B	ZB6 DF5



Pilot lights

Type of head		Shape of head		Smooth lens cap	
				rectangular (2)	
Degree of protection				IP 65 / Nema 4, 4X, 13 / Class II	
Mounting (mm)		panel cut-out		$\varnothing 16.2^{+0.2}_0$	
		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 (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	N/O	XB6 DV1BB	ZB6 E●1B (1)	ZB6 DV1
		N/C + N/O	XB6 DV1B5B	ZB6 E●1B (1)	ZB6 DV1
	green	N/O	XB6 DV3BB	ZB6 E●3B (1)	ZB6 DV3
		N/C + N/O	XB6 DV3B5B	ZB6 E●3B (1)	ZB6 DV3
	red	N/C	XB6 DV4BB	ZB6 E●4B (1)	ZB6 DV4
		N/C + N/O	XB6 DV4B5B	ZB6 E●4B (1)	ZB6 DV4
	yellow	N/O	XB6 DV5BB	ZB6 E●5B (1)	ZB6 DV5
		N/C + N/O	XB6 DV5B5B	ZB6 E●5B (1)	ZB6 DV5
	blue	N/O	–	ZB6 E●6B (1)	ZB6 DV6
		N/C + N/O	XB6 DV6B5B	ZB6 E●6B (1)	ZB6 DV6

(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** (XB6 DW1B1B becomes XB6 CW1B1B).

For products with a circular head, replace the letter **D** in the reference by the letter **A** (XB6 DW1B1B becomes XB6 AW1B1B).

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



Pushbuttons						
Type of head			Flush push			
Shape of head			rectangular (2)			
Degree of protection			IP 65 / Nema 4, 4X, 13 / Class II			
Mounting (mm)	panel cut-out		$\varnothing 16.2^{+0.2}_0$			
	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 (3)			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		N/O	XB6 DA11B	ZB6 Z1B	ZB6 DA1
			N/C + N/O	XB6 DA15B	ZB6 Z5B	ZB6 DA1
	black		N/O	–	ZB6 Z1B	ZB6 DA2
			N/C + N/O	XB6 DA25B	ZB6 Z5B	ZB6 DA2
	green		N/O	XB6 DA31B	ZB6 Z2B	ZB6 DA3
			N/C + N/O	XB6 DA35B	ZB6 Z5B	ZB6 DA3
	red		N/O	–	ZB6 Z1B	ZB6 DA4
			N/C + N/O	XB6 DA45B	ZB6 Z5B	ZB6 DA4



Ø 30 mushroom head Emergency stop pushbuttons							
Type of head			Trigger action				
Shape of head			cylindrical				
Type of push			Turn to release				
			Complete products	Products for user assembly			
References	red		2 N/C + 1 N/O	XB6 AS8349B	ZB6 E2B	ZB6 Z5B	ZB6 AS834
Type of push			Key release, Ronis 200				
References	red		2 N/C + 1 N/O	XB6 AS9349B	ZB6 E2B	ZB6 Z5B	ZB6 AS934

(2) For products with a square head, replace the letter **D** in the reference by the letter **C** (XB6 DA11B becomes XB6 CA11B).

For products with a circular head, replace the letter **D** in the reference by the letter **A** (XB6 DA11B becomes XB6 AA11B).

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

Opciones

2



Selector switches and key switches

Type of head		Black handle			
Shape of head		rectangular (2)			
Degree of protection		IP 65 / Nema 4, 4X, 13 / Class II (except key switches)			
Mounting (mm)	panel cut-out	$\varnothing 16.2^{+0.2}_0$			
	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 (3)		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	2 positions spring return to centre	
References	N/O	XB6 DD221B	ZB6 Z1B	ZB6 DD22	ZB6 Z1B
	N/C + N/O	XB6 DD225B	ZB6 Z5B	ZB6 DD22	ZB6 Z5B
Number and type of positions		3 positions stay put	3 positions stay put	3 positions spring return to centre	
References	N/O	XB6 DD235B	ZB6 Z5B	ZB6 DD23	ZB6 Z5B



Type of operator		Ronis 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	N/C + N/O	XB6 DGC5B	ZB6 Z5B	ZB6 DGC	ZB6 Z5B
Number and type of positions		3 positions stay put	3 positions stay put	3 positions spring return to centre	ZB6 DGB
References	N/C + N/O	XB6 DGH5B	ZB6 Z5B	ZB6 DGH	ZB6 Z5B

(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 ● N/C + N/O	ZB6 E●1B (1)	ZB6 Z5B	ZB6 DD02	ZB6 DD03
	green ● N/C + N/O	ZB6 E●3B (1)	ZB6 Z5B	ZB6 DD02	ZB6 DD03
	red ● N/C + N/O	ZB6 E●4B (1)	ZB6 Z5B	ZB6 DD02	ZB6 DD03
					ZB6 YK1
					ZB6 YK3
					ZB6 YK4

(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** (XB6 DD221B becomes XB6 CD221B).For products with a circular head, replace the letter **D** in the reference by the letter **A** (XB6 DD221B becomes XB6 AD221B).

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





Complete stations with 1 pushbutton, selector switch or key switch

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

Degree of protection	IP 65 / Nema 4X and 13 / Class II						
Dimensions (mm)	W x H x D		68 x 68 x 113 max. (with key release Ø 40 mushroom head pushbutton)				
Fixing (mm)	2 x Ø4.3 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			
References	N/O	I	XAL D102	–	–	–	–
		Start	XAL D103	–	–	–	–
		O - I	–	–	–	XAL D134	XAL D144
	N/C	O	–	XAL D112	XAL D115	–	–



Function	Emergency stop (light grey RAL 7035 base with yellow RAL 1012 cover)			
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		Standard	Standard
References	N/C	–	XAL K174	XAL K184
	N/C + N/C	XAL K178F	XAL K174F	XAL K184F
	N/C + N/O	XAL K178E	XAL K174E	XAL K184E
	N/C + N/C + N/O	XAL K178G	XAL K174G	XAL K184G



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

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

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 Ø4.3 on 54 x 68 centres; 3-way control stations: 2 x Ø4.3 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 red p/b	1 flush green pushbutton 1 flush red pushbutton 1 pilot light with integral LED (1)	24 V AC/DC 230 V AC	1 flush white p/b 1 flush black p/b	1 flush white p/b 1 flush red p/b 1 flush black p/b	1 flush white p/b 1 Ø 30 red mushroom head p/b 1 flush black p/b
References	N/O + N/C	I - O	XAL D213	XAL D363B	XAL D363M	–
		Start - Stop	XAL D215	–	–	–
	N/O + N/O	↑ ↓	–	–	–	XAL D222
	N/O + N/C + N/O	↑ ○ ↓	–	–	–	XAL D324
			–	–	–	XAL D328

Accessories	Standard contact blocks		(1) Light blocks with integral LED, colour red	
Description	N/O contact	N/C contact	24 V AC/DC	230 V AC
References	ZEN L1111	ZEN L1121	ZAL VB4	ZAL VM4



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				



C/O

N/O

9001KR1UH13

9001KR3UH13

9001KR2UH13

9001KR1UH5

9001KR3UH5

9001KR2UH5



Mushroom head Emergency stop pushbuttons

Type of push		Spring return	Push-pull		
		Ø 35 mushroom head	Ø 57 mushroom head	Ø 41 mushroom head	Ø 35 mushroom head
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●●)			
	mounting centres (Ø 57 head)	57.2 x 57.2 (with legend 9001KN2●● or 9001KN3●●)			
Depth below head (mm)		42			
Connection		Screw clamp terminals			
References					



C/O

N/C

9001KR24RH13

9001KR25RH13

9001KR9R94H13

9001KR9R20H13

9001KR24RH6

9001KR25RH6

9001KR9RH6

9001KR9R20H6



Selector switches and key switches

Type of operator		Long black handle	Key, n° 455			
	positions (1)	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						

(1) The symbol indicates key withdrawal position.



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 ●	C/O 9001K3L35LGGH13	9001K3L36LGGH13	9001K3L38LGGH13	9001K2L7RH13
	red ●	C/O 9001K3L35LRRH13	9001K3L36LRRH13	9001K3L38LRRH13	9001K2L7GH13
	yellow ●	C/O 9001K3L35LYAH13	9001K3L36LYAH13	9001K3L38LYAH13	9001K2L7AH13



Illuminated Ø 41 mushroom head pushbuttons, 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)
		24 V AC/DC	48 V AC/DC	120 V AC/DC	230 V AC/DC
Type of head		2 position, push-pull			
References	red ●	C/O 9001KR9P35RH13	9001KR9P36RH13	9001KR9P38RH13	9001KR9P7RH13
Type of head		3 position, push-pull (pull: spring return, centre: stay put, push: spring return)			
References	red ●	N/C + N/C late break 9001KR8P35RH25	9001KR8P36RH25	9001KR8P38RH25	9001KR8P7RH25



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, 4X, 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		C/O	9001SKR1UH13	9001SKR3UH13	9001SKR2UH13
		N/O	9001SKR1UH5	9001SKR3UH5	9001SKR2UH5



Selector switches

Type of operator		Long black handle				
positions		3 - spring return	2 - stay put	2 - spring return	3 - stay put	
Number and type of positions						
Degree of protection		IP 66 / Nema 1, 2, 3, 3R, 4, 4X, 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		N/O	–	9001SKS11FBH5	9001SKS34FBH5	–
		C/O	9001SKS53FBH1	–	–	9001SKS43FBH1



Pilot lights

Type of head		Smooth lens cap			
Degree of protection		IP 66 / Nema 1, 2, 3, 3R, 4, 4X, 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 ●	9001SKP35LGG9	9001SKP36LGG9	9001SKP38LGG9	9001SKP7G9
	red ●	9001SKP35LRR9	9001SKP36LRR9	9001SKP38LRR9	9001SKP7R9
	yellow ●	9001SKP35LYA9	9001SKP36LYA9	9001SKP38LYA9	9001SKP7A9



Contact blocks with protected terminals

Type of contact	Single contact blocks	
Connection	Screw clamp terminals	
References	C/O	9001KA1
	N/O	9001KA2
	N/C	9001KA3
	C/O, late break	9001KA4
	N/C, late break	9001KA5
	N/O, 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

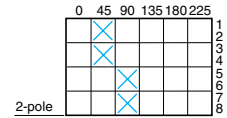
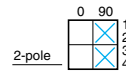
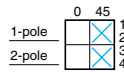


Legends

Type	Colour of legend	Aluminium, size 44 x 43 mm black background	Plastic, size 57 x 57 mm white background
Marking	Blank	9001KN200	9001KN100WP
	START	9001KN201	9001KN101WP
	STOP (red background)	9001KN202	9001KN102RP
	FORWARD	9001KN206	9001KN106WP
	REVERSE	9001KN207	9001KN107WP
	CLOSE	9001KN208	9001KN108WP
	OPEN	9001KN209	9001KN109WP
	DOWN	9001KN210	9001KN110WP
	UP	9001KN211	9001KN111WP
	HIGH	9001KN214	9001KN114WP
	LOW	9001KN215	9001KN115WP
	RESET	9001KN223	9001KN123WP
	PULL TO START/ PUSH TO STOP	9001KN379	9001KN179WP



positions (°)

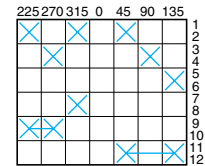
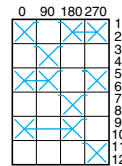
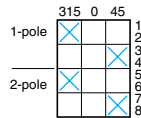


Cam switches, K1 / K2 series

Function	Switches	ON-OFF switches	Stepping switches
Degree of protection front face	45° switching angle	90° switching angle	with "0" position
Conventional thermal current (Ith)	IP 65 (1)	IP 65 (1)	IP 65 (1)
Rated insulation voltage (Ui) conforming to IEC60947-1	12 A 20 A	12 A 20 A	12 A 20 A
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	K1B 002ALH K2B 002ALH	K1B 1002HLH K2B 1002HLH
	Plastic mounting plate for Ø 22 mm hole	K1B 002ACH K2B 002ACH	K1B 1002HCH K2B 1002HCH
		K1D 012QLH K2D 012QLH	K1D 012QCH K2D 012QCH



positions (°)



Cam switches, K1 / K2 series

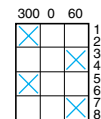
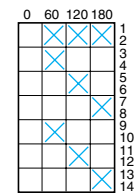
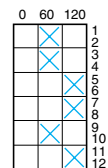
Function	Changeover switches	Ammeter switches	Voltmeter switches
Degree of protection front face	IP 65 (1)	IP 65 (1)	IP 65 (1)
Conventional thermal current (Ith)	12 A 20 A	12 A 20 A	12 A 20 A
Rated insulation voltage (Ui) conforming to IEC60947-1	690 V	690 V	690 V
Number of positions	2 + "0" position	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	K1D 002ULH K2D 002ULH	K1F 003MLH to be compiled *
	Plastic mounting plate for Ø 22 mm hole	K1D 002UCH K2D 002UCH	K1F 003MCH to be compiled *
		K1F 027MLH to be compiled *	K1F 027MCH 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 (°)



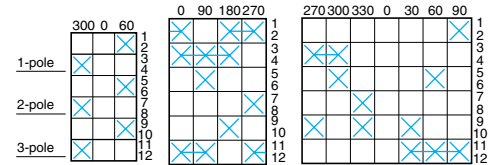
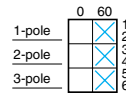
Cam switches with key operated lock, K1 series

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	K1G 043RZ2 K1G 043RZ4	K1D 002UZ2 K1D 002UZ4





positions (°)



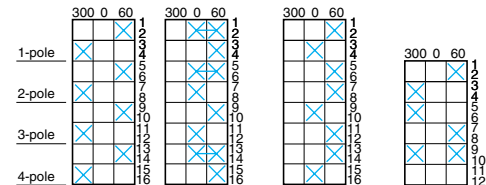
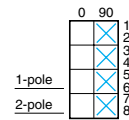
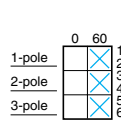
Cam switches, K10 series								
Function	Switches			Changeover switches		Ammeter switches	Voltmeter switches	
Degree of protection front face	60° switching angle			with "0" position		IP 65	IP 65	
Conventional thermal current (Ith)	10 A			10 A		10 A	10 A	
Rated insulation voltage (Ui) conforming to IEC60947-1	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	K10 A001ACH	K10 B002ACH	K10 C003ACH	K10 D002UCH	K10F003UCH	K10 F003MCH	K10 F027MCH	

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

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



positions (°)



Cam switches, K30 series								
Function	Switches		Switches ON-OFF		Changeover	Starting	Starting	Reversing
Degree of protection front face	IP 40		IP 40		with "0" position IP 40	star-delta IP 40	2-speed 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	K30 C003AP (3)	K30 C003HP (3)	K30 D004HP (3)	K30 H004UP (3)	K30 H001YP (3)	K30 H004PP (3)	K30 E003WP (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 K30 C003AP, 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)*	KZ 65	KZ 66	KZ 73

* sold in lots of



Illuminated beacons XVB L, Ø 70 mm		Steady light signalling		Flashing light signalling	
Light source		Incandescent BA 15d bulb, 7 W max. (not included)	LED on BA 15d base (included)	LED on BA 15d base (included)	"Flash" discharge tube 5 J (1)
Degree of protection		IP 65			
Rated insulation voltage (Ui)		250 V			
Beacon references (2)	12...230 V AC/DC	XVB L3●	–	–	–
	24 V AC/DC	–	XVB L0B●	XVB L1B●	XVB L6B●
	120 V AC	–	XVB L0G●	XVB L1G●	XVB L6G●
	230 V AC	–	XVB L0M●	XVB L1M●	XVB L6M●



Indicator banks XVB C, Ø 70 mm 2 to 5 units (3)		Base units	Steady light signalling		Flashing light signalling		Audible units (90 db at 1 m)
Light source		–	Incandescent BA 15d bulb, 10 W max. (not included)	Integral LED	Integral LED	"Flash" discharge tube, 5 J (1)	–
Degree of protection		IP 65					
Rated insulation voltage (Ui)		250 V					
Base unit references	with cover	XVB C21 (4)	–	–	–	–	–
	without cover	XVB C07 (5)	–	–	–	–	–
Lens unit references (2)	12... 230 V AC/DC	–	XVB C3●	–	–	–	–
	24 V AC/DC	–	–	XVB C2B●	XVB C5B●	XVB C6B●	–
	120 V AC	–	–	XVB C2G●	XVB C5G●	XVB C6G●	–
	230 V AC	–	–	XVB C2M●	XVB C5M●	XVB C6M●	–
Audible unit references	12 to 48 V AC/DC	–	–	–	–	–	XVB C9B
unidirectional	120 to 230 V AC	–	–	–	–	–	XVB C9M

(4) For connection on AS-Interface, order a base unit XVB C21A (side cable entry) or XVB C21B (bottom cable entry).

(5) For indicator banks with "Flash" discharge unit.



Indicator banks XVP C, Ø 50 mm 2 to 5 units (3), black clamping ring (6)		Base unit	Steady or flashing light signalling	"Flash" signalling		Audible units (55...85 dB at 1 m)
Light source		–	Incandescent BA 15d bulb, 10 W max. (not included)	"Flash" discharge tube, 0.3 J	"Flash" discharge tube, 0.6 J	–
Degree of protection		IP 65				
Rated insulation voltage (Ui)	250 V					
Base unit	with cover	XVP C21	–	–	–	–
References (2)	250 V max.		XVP C3●	–	–	–
	24 V DC		–	XVP C6B●	–	XVP C09B
	120 V AC		–	–	XVP C6G●	XVP C09G
	230 V AC		–	–	XVP C6M●	XVP C09M

(1) To order a lens unit with a 10 J discharge tube, replace the number 6 by 8 (example: XVB L6B● becomes XVB L8B●).

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

(3) An indicator bank comprises: 1 base unit + 1 to 5 illuminated units or 1 audible unit max.

(6) To order products with a **cream clamping ring**, add the letter **W** to the end of the reference (example: base unit + green lens unit: XVP C21W + XVP C33W, etc.).



Miniature illuminated beacons XVD LS Ø 45 mm		Steady light signalling		"Flash" signalling	
Light source		Incandescent BA 15d bulb, 5 W max. (not included)		"Flash" discharge tube, 0.5 J	
Degree of protection		IP 40			
Rated insulation voltage (Ui)		250 V			
Beacon references (1)	24...230 V AC/DC	XVD LS3●		-	
	24 V AC/DC	-		XVD LS6B●	
	120 V AC	-		XVD LS6G●	
	230 V AC	-		XVD LS6M●	

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



Rotating mirror beacon XVR and sirens XVS		Rotating mirror beacon		Sirens, 106 db	
Description		Halogen bulb 70 W H1 (included)	Incandescent bulb 25 W BA15d (included)	1 tone	2 tone
	Diameter	Ø 165 mm		Ø 92 mm	
Degree of protection		IP 65		IP 40	
Rated insulation voltage (Ui)		250 V			
References (2)	24 V AC/DC	XVR 1B9●	XVR 1B0●	XVS B1	XVS B2
	120 V AC	-	XVR 1G0●	XVS G1	XVS G2
	230 V AC	-	XVR 1M0●	XVS M1	XVS M2

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

Accessories

Bulbs and LEDs		Indicator banks XVB / XVP			Beacons XVD LS	Rotating mirror beacon	
Light source		Incandescent bulb, BA 15d base fitting	LED, BA 15d base fitting	Flashing LED, BA 15d base fitting	Incandescent bulb, BA 15d base fitting	Halogen bulb, 70 W H1 base fitting	Incandescent bulb, 25 W BA 15d base fitting
References (3)	12 V	DL1 BEJ (7 W)	-	-	-	-	-
	24 V	DL1 BEB (6.5 W)	DL1 BDB●	DL1 BKB●	DL1 BEBS (4 W)	DL1 BRBH	DL1 BRB
	48 V	DL1 BEE (6 W)	-	-	-	-	-
	120 V	DL1 BEG (7 W)	DL1 BDG●	DL1 BKG●	DL1 BEGS (5 W)	-	DL1 BRG
	230 V	DL1 BEM (7 W)	DL1 BDM●	DL1 BKM●	DL1 BEMS (5 W)	-	DL1 BRM



(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		For beacons and indicator banks type XVB			For beacons and indicator banks type XVP		
Length		100 mm	400 mm	800 mm	112 mm	260 mm	410 mm
Black aluminium support tube		XVB C02	XVB C03	XVB C04	XVP C02 (4)	XVP C03 (4)	XVP C04 (4)
Black fixing plates	for horizontal support	XVB C11			-		
	for vertical support	XVB C12			XVP C12 (4)		

(4) Aluminium support tube with integral fixing base. To order a cream XVP unit, add the letter **W** to the end of the reference (example: XVP C03W).





Type XAC A "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	lthe	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 ZA2 BS44)		52 x 295 x 71 (x 85 with ZA2 BS44)	
Number of operators	mechanically interlocked	2		2	
	Emergency stop	without	ZA2 BS44	without	ZA2 BS44
References		XAC A201	XAC A2013	XAC A207	XAC A2073



Type XAC A

For control of single-speed motors					
Dimensions (mm)	W x H x D	80 x 314 x 70 (x 90 with ZA2 BS44)		80 x 440 x 70 (x 90 with ZA2 BS44)	
Number of operators	mechanically interlocked between pairs	2		4	
	Emergency stop	without	ZA2 BS44	without	ZA2 BS44
References		XAC A271	XAC A2713	XAC A471	XAC A4713



For control of single-speed motors			 + I/O	
Dimensions (mm)	W x H x D	80 x 500 x 70 (x 90 with ZA2 BS54)		80 x 560 x 70
Number of operators	mechanically interlocked between pairs	6		8
	Emergency stop	without	ZA2 BS54	without
References		XAC A671	XAC A6713	XAC A871

