



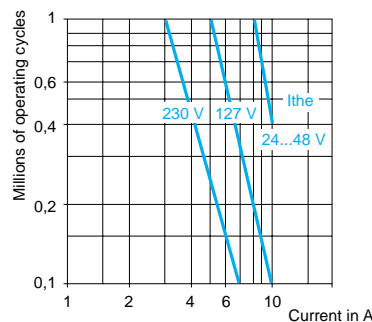
Environment			
Conformity to standards			IEC 947-5-1, EN 60 947-5-1, IEC 337-1, NF C 63-140, VDE 0660-200
Product certifications	Standard version		DEMKO, NEMKO, SÄHKÖTARKASTUSKESKUS, ASE
	Special version		CSA, UL
Protective treatment	Standard version		"TC" and "TH"
Ambient air temperature	For operation	°C	- 25...+ 70 (except for selector switches and illuminated pushbuttons: - 25...+ 55)
	For storage	°C	- 40...+ 70
Vibration resistance	Conforming to IEC 68-2-6	gn	15 (40...500 Hz)
Shock resistance	Conforming to IEC 68-2-27	gn	Pushbuttons: 70, mushroom head pushbuttons: 15, selector switches: 200
Electric shock protection	Conforming to IEC 536 and NF C 20-030		Class II
Degree of protection	Conforming to IEC 529		IP 65
	Conforming to NF C 20-010		IP 657
Mechanical life	Spring return pushbuttons		3 million operating cycles
	Latching pushbuttons		300,000 operating cycles
Flame resistance			NF C 20-455: 960 °C, UL 94: V0
Material and colours	XAL B		Polycarbonate, grey RAL 7035 and grey RAL 7021
	XAL J		Polycarbonate, yellow RAL 1012 and grey RAL 7021
Cable entries			Knock-out entries or tapped entries for cable gland (see dimensions, page 35051/11)

Contact block characteristics			
Rated operational characteristics	~ AC-15		A600 or Ue = 240 V and Ie = 3 A
	== DC-13		Q600 or Ue = 250 V and Ie = 0.27 A conforming to IEC 947-5-1 Appendix A
Rated insulation voltage	Conforming to IEC 947-1	V	Ui = 500, degree of pollution 3
	Conforming to UL 508 and CSA C22-2 n° 14		Ui = 600 V
Rated impulse withstand voltage	Conforming to IEC 947-1	kV	U imp = 6
Contact operation			Slow break (N/C or N/O)
Positive operation	Conforming to IEC 947-5-1 Section 3		Safety units (mushroom head Emergency stop pushbuttons): N/C contact with positive opening operation
Operating force		daN	Flush and projecting pushbuttons: - with 1 N/O contact = 1 - with 1 N/C contact = 0.8 Additional contacts: - N/O = + 0.5 - N/C = + 0.3
Terminal referencing			Conforming to CENELEC EN 50013
Short-circuit protection	Conforming to IEC 269-1, VDE 0660-200		10 A cartridge fuse type gI
Rated operational power	Conforming to IEC 947-5-1 Appendix C		Utilisation categories AC-15 and DC-13. Operating rate: 3600 operating cycles/hour. Load factor: 0.5

a.c. supply ~ 50-60 Hz
 Inductive circuit

d.c. supply ==
 Power broken in W for 1 million operating cycles

Voltage V	24	48	120
 W	65	48	40



Electrical reliability			Failure rate < 1 fault for 100 million operating cycles (PLC inputs, 24 V d.c.)
Connection			Screw and captive cable clamp terminals. Clamping capacity: min. 1 x 0.5 mm ² , max., with or without cable end: 2 x 1.5 mm ² or 1 x 2.5 mm ²



XAL B101



XAL B104



XAL B112



XAL J174



XAL J184



XAL J178

References

Start or Stop functions (grey lid and base)

Description	Scheme	Marking on legend	Marking on pushbutton	Colour of pushbutton	Reference	Weight kg	
1 spring return pushbutton flush	N/O		Marche	–	Green	XAL B101	0.120
			–		White	XAL N101	0.120
			–	Marche	Green	XAL B102	0.120
			–	–	White	XAL N102	0.120
1 spring return pushbutton flush	N/C		Arrêt	–	Red	XAL B111	0.120
			–	Stop	Red	XAL B114	0.120
			–	–	Black	XAL N114	0.120
			–	O	Red	XAL B112	0.120
			–	–	Black	XAL N112	0.120
			–	Arrêt	Red	XAL B117	0.120
–	–	Black	XAL N117	0.120			
1 spring return pushbutton projecting	N/C	–	Arrêt	Red	XAL B118	0.120	
				Black	XAL N118	0.120	

Emergency stop function (yellow lid, grey base)

Description	Scheme	Function marking	Reference	Weight kg
1 mushroom head pushbutton Ø 40 mm red Turn to release	N/C	Blank	XAL J174	0.140
	N/C + N/C	Blank	XAL J174 F	0.140
1 mushroom head pushbutton Ø 40 mm red Key release (n° 455)	N/C	Blank	XAL J184	0.170
	N/C + N/C	Blank	XAL J184 F	0.170

Emergency stop function with trigger action mechanism (yellow lid, grey base)

Description	Scheme	Function marking	Reference	Weight kg
1 mushroom head pushbutton Ø 40 mm red Turn to release	N/C + N/O	Blank	XAL J178	0.140
	N/C + N/C	Blank	XAL J178 F	0.140
1 mushroom head pushbutton Ø 40 mm red Key release (n° 455)	N/C + N/O	Blank	XAL J188	0.140
	N/C + N/C	Blank	XAL J188 F	0.170

For customer assembly

Other stations can be assembled using adaptable sub-assemblies: empty enclosures, contact blocks, signalling units, operating heads, legends (see pages 35051/7 to 35051/10).



XAL B211



XAL B213



XAL B132



XAL B142



XAL B361



XAL B373

References (continued)

Start-Stop function (grey lid and base)

Description	Scheme	Marking on legend	Marking on pushbutton	Reference	Weight kg
2 spring return pushbuttons 1 flush green 1 flush red	N/O	Marche Arrêt	— —	XAL B211	0.165
	+	— —	 O	XAL B213	0.165
	N/C	— —	Marche Arrêt	XAL B224	0.165
2 spring return pushbuttons 1 flush white 1 flush black	N/O	Marche Arrêt	— —	XAL N211	0.165
	+	— —	 O	XAL N213	0.165
	N/C	— —	Marche Arrêt	XAL N224	0.165
1 selector switch standard black handle 2 position stay put	N/O	Arrêt Marche	— —	XAL B132	0.125
	+	O I	— —	XAL B134	0.125
	N/C	Arrêt Marche	— —	XAL B142	0.150
1 key switch key n° 455 2 position stay put Key withdrawal in left-hand position	N/C	O I	— —	XAL B144	0.150

Start-Stop function with pilot light (grey lid and base)

Description	Scheme	Marking on legend	Marking on pushbutton	Reference	Weight kg
1 red pilot light Direct supply ≤ 130 V Bulb not included (1)		Marche Arrêt	— —	XAL B361	0.200
	+	— —	 O	XAL B363	0.200
2 spring return pushbuttons 1 flush green 1 flush red	N/O	— —	Marche Arrêt	XAL B369	0.200
	+	Marche Arrêt	— —	XAL N361	0.200
1 clear pilot light Direct supply ≤ 130 V Bulb not included (1)	N/C	— —	 O	XAL N363	0.200
	+	— —	Marche Arrêt	XAL N369	0.200
1 red pilot light 230 V Direct supply through resistor BA 9s base fitting 130 V bulb included		Marche Arrêt	— —	XAL B371	0.205
	+	— —	 O	XAL B373	0.205
2 spring return pushbuttons 1 flush green 1 flush red	N/O	— —	Marche Arrêt	XAL B379	0.205
	+	Marche Arrêt	— —	XAL N371	0.205
1 clear pilot light 230 V Direct supply through resistor BA 9s base fitting 130 V bulb included	N/C	— —	 O	XAL N373	0.205
	+	— —	Marche Arrêt	XAL N379	0.205
2 spring return pushbuttons 1 flush white 1 flush black	N/O	— —	Marche Arrêt	XAL N379	0.205

(1) Bulb types for use with direct supply units:

- incandescent, BA 9s base fitting: $U \leq 130$ V, maximum power 2.6 W, maximum \varnothing : 11 mm, maximum length: 28 mm.
- neon, BA 9s base fitting: 110 V $\leq U \leq 380$ V (DL1 CF●●●, see page 35051/7).

For customer assembly

Other stations can be assembled using adaptable sub-assemblies: empty enclosures, contact blocks, signalling units, operating heads, legends (see pages 35051/7 to 35051/10).



XAL B241



XAL B222



XAL B321



XAL B339



XAL B334

References (continued)

Control of movements (grey lid and base)

Description	Scheme	Marking on legend	Marking on pushbutton	Reference	Weight kg
2 spring return pushbuttons 1 flush green 1 flush red	N/O	Ouverture Fermeture	— —	XAL B241	0.165
	+				
2 spring return pushbuttons 1 flush white 1 flush black	N/O	Ouverture Fermeture	— —	XAL N241	0.165
	+				
2 spring return pushbuttons 1 flush white (black arrow) 1 flush black (white arrow)	N/O	— —	↑ ↓	XAL B222	0.165
	+				
2 spring return pushbuttons 1 flush white (black arrow) 1 flush black (white arrow)	N/O	— —	⇨ ⇦	XAL B223	0.165
	+				
3 spring return pushbuttons 1 flush green 1 flush red 1 flush green	N/O	Avant Arrêt Arrière	— — —	XAL B311	0.195
	+				
3 spring return pushbuttons 1 flush green 1 flush red 1 flush green	N/C	Montée Arrêt Descente	— — —	XAL B321	0.195
	+				
3 spring return pushbuttons 1 flush green 1 flush red 1 flush green	N/O	Droite Arrêt Gauche	— — —	XAL B331	0.195
	+				
3 spring return pushbuttons 1 flush green 1 flush red 1 flush green	N/O	Ouverture Arrêt Fermeture	— — —	XAL B341	0.195
	+				
3 spring return pushbuttons 1 flush green 1 flush red 1 flush green	N/O	— — —	 O 	XAL B339	0.195
	+				
3 spring return pushbuttons 1 flush white 1 flush black 1 flush white	N/O	Avant Arrêt Arrière	— — —	XAL N311	0.195
	+				
3 spring return pushbuttons 1 flush white 1 flush black 1 flush white	N/C	Montée Arrêt Descente	— — —	XAL N321	0.195
	+				
3 spring return pushbuttons 1 flush white 1 flush black 1 flush white	N/O	Droite Arrêt Gauche	— — —	XAL N331	0.195
	+				
3 spring return pushbuttons 1 flush white 1 flush red 1 flush black (white arrow)	N/O	Ouverture Arrêt Fermeture	— — —	XAL N341	0.195
	+				
3 spring return pushbuttons 1 flush white 1 flush red 1 flush black (white arrow)	N/O	— — —	 O 	XAL N339	0.195
	+				
3 spring return pushbuttons 1 flush white (black arrow) 1 flush red 1 flush black (white arrow)	N/O	— — —	↑ O ↓	XAL B324	0.195
	+				
3 spring return pushbuttons 1 flush white (black arrow) 1 flush red 1 flush black (white arrow)	N/C	— — —	→ O ←	XAL B334	0.195
	+				
3 spring return pushbuttons 1 flush white (black arrow) 1 flush red 1 flush black (white arrow)	N/O	— — —	→ O ←	XAL B334	0.195
	+				

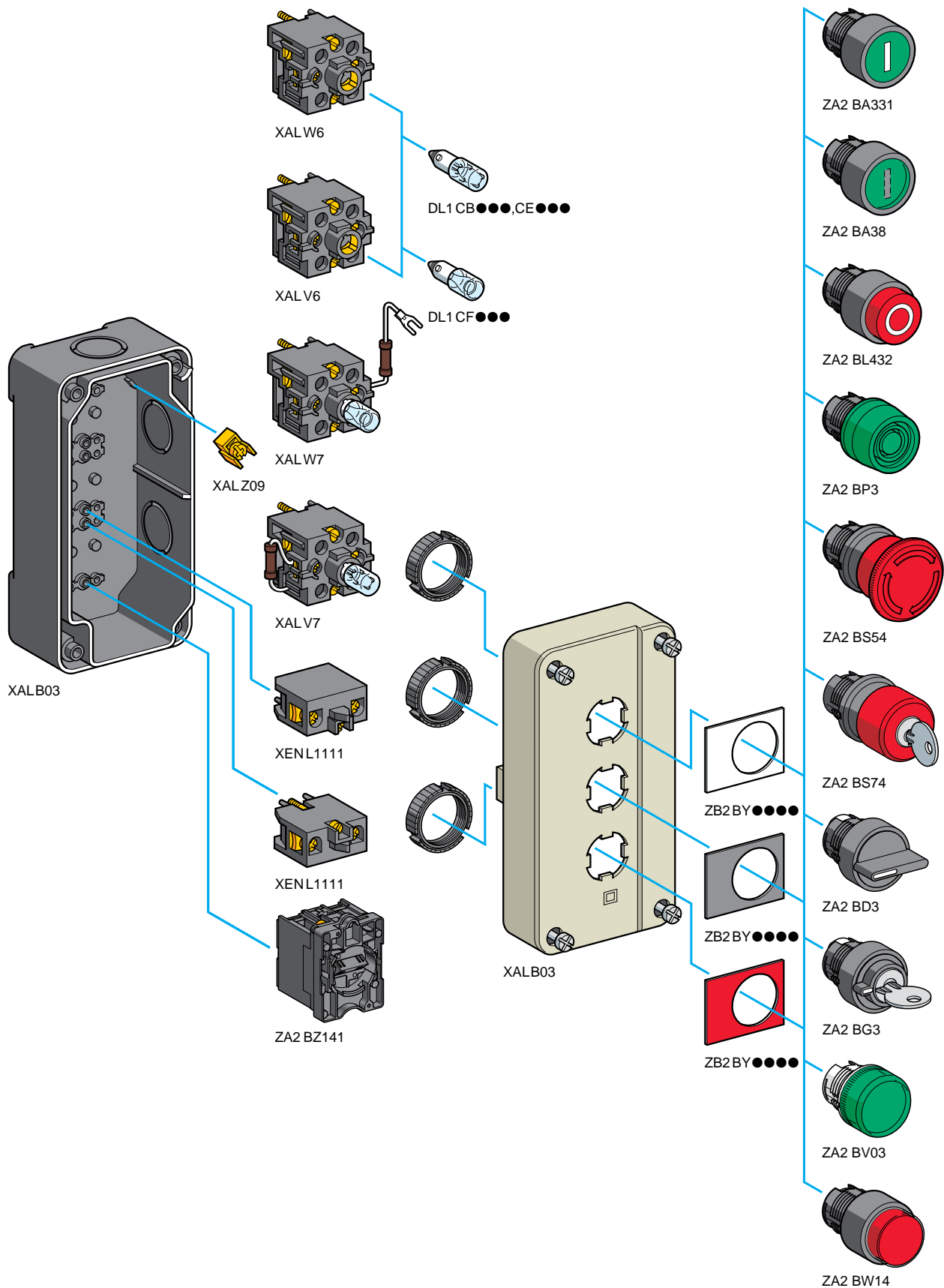
For customer assembly

Other stations can be assembled using adaptable sub-assemblies: empty enclosures, contact blocks, signalling units, operating heads, legends (see pages 35051/7 to 35051/10).

Control stations and enclosures

Double insulated control stations, for control circuits

Stations for customer assembly





XAL B03



XEN L1111



XAL V6



XAL V7



XAL W6



DL1 C

References

Empty enclosures

Description	Number of cut-outs	Reference	Weight kg
Grey lid and base	1	XAL B01	0.095
	2	XAL B02	0.115
	3	XAL B03	0.140
	4	XAL B04	0.155
	5	XAL B05	0.180
Yellow lid, grey base	1	XAL J01	0.095

Contact blocks

Description	Scheme	Function	Reference	Weight kg
1 contact, slow break (sold in lots of 10)		N/O	XEN L1111	0.013
		N/C	XEN L1121	0.013
Block of 3 contacts, slow break (sold singly)		N/C + N/O + N/C	ZA2 BZ141	0.050

Pilot light bodies

Description	Scheme	Supply voltage	Reference	Weight kg
Direct supply bulb not included (1)		≤ 400 V	XAL V6	0.020
Direct through resistor BA 9s base fitting 130 V bulb included		230 V	XAL V7	0.025

Illuminated pushbutton bodies (N/C + N/O contacts)

Description	Scheme	Supply voltage	Reference	Weight kg
Direct supply bulb not included (1)		≤ 400 V	XAL W6	0.020
Direct through resistor BA 9s base fitting 130 V bulb included		230 V	XAL W7	0.025

(1) Bulb types for use with direct supply units:

- Incandescent, BA 9s base fitting, $U \leq 130$ V, maximum power 2.6 W.
- Neon bulb with special red, yellow or clear lens, 110 V $\leq U \leq 380$ V, maximum \varnothing 11 mm, maximum length 28 mm.

Bulbs (sold in lots of 10)

Description		Supply voltage	Unit reference	Weight kg
Incandescent bulbs	BA 9s base fitting	6 V	DL1 CB006	0.002
		12 V	DL1 CE012	0.002
		24 V	DL1 CE024	0.002
		48 V	DL1 CE048	0.002
		130 V	DL1 CE130	0.002
Neon bulbs	BA 9s base fitting	110 V	DL1 CF110	0.002
		220 V	DL1 CF230	0.002
		380 V	DL1 CF400	0.002

Other versions

Empty polyamide enclosures for difficult environments.
Pilot light and illuminated pushbutton bodies with integral transformer for 24...600 V with 6 V bulb.
LED light sources, see page 35005/7.
Please consult your Regional Sales Office.



ZA2 BA1



ZA2 BA8



ZA2 BA311



ZA2 BL4



ZA2 BP2



ZA2 BC44



ZA2 BS54



ZA2 BS74

References of separate components and spare parts

Heads for spring return pushbuttons

Description	Colour		Reference	Weight kg
Flush	White		ZA2 BA1	0.012
	Black		ZA2 BA2	0.012
	Green		ZA2 BA3	0.012
	Red		ZA2 BA4	0.012
	Yellow		ZA2 BA5	0.012
	Blue		ZA2 BA6	0.012
	Grey		ZA2 BA8	0.012
	Flush with transparent push for use with legend ZB2 BY1 (see page 35051/10)	Green		ZA2 BA38
Red			ZA2 BA48	0.012
Flush with function symbol marked on push	White	I	ZA2 BA131	0.012
	Green	I	ZA2 BA331	0.012
	Black	O	ZA2 BA232	0.012
		Stop	ZA2 BA234	0.012
	Red	O	ZA2 BA432	0.012
		Stop	ZA2 BA434	0.012
	White	↑ or →	ZA2 BA334	0.012
		↓ or ←	ZA2 BA335	0.012
Projecting	Black		ZA2 BL2	0.013
	Red		ZA2 BL4	0.013
Projecting with function symbol marked on push	Red	O	ZA2 BL432	0.013
		Stop	ZA2 BL434	0.013
Booted	Black		ZA2 BP2	0.013
	Green		ZA2 BP3	0.013
	Red		ZA2 BP4	0.013

Mushroom heads for pushbuttons

Description	Colour		Reference	Weight kg
Spring return	Red	∅ 30 mm	ZA2 BC44	0.028
		∅ 40 mm	ZA2 BC4	0.033

Mushroom heads for Emergency stop pushbuttons

Description	Colour		Reference	Weight kg
Push-Pull	Red	∅ 30 mm	ZA2 BT44	0.060
		∅ 40 mm	ZA2 BT4	0.065
Turn to release	Red	∅ 30 mm	ZA2 BS44	0.028
		∅ 40 mm	ZA2 BS54	0.033
Key release (n° 455)	Red	∅ 30 mm	ZA2 BS74	0.060
		∅ 40 mm	ZA2 BS14	0.065

Mushroom heads for Emergency stop pushbuttons, with trigger action mechanism

Description	Colour		Reference	Weight kg
Turn to release	Red	∅ 30 mm	ZA2 BS834	0.030
		∅ 40 mm	ZA2 BS844	0.035
Key release (n° 455)	Red	∅ 30 mm	ZA2 BS934	0.040
		∅ 40 mm	ZA2 BS944	0.045

Other versions Pushbuttons marked with other text or symbols.
Wobble stick for "fast operation" applications.
Key release mushroom head pushbuttons with other key numbers.
Please consult your Regional Sales Office.

References of separate components and spare parts (continued)

Heads for selector switches

Description		Reference	Weight kg
2 position	Stay put	ZA2 BD2	0.018
	1 spring return from right to left	ZA2 BD4	0.018
3 position	Stay put	ZA2 BD3	0.018
	2 spring return to centre	ZA2 BD5	0.018
	1 spring return from right to centre	ZA2 BD8	0.018
	1 spring return from left to centre	ZA2 BD7	0.018



ZA2 BD●

Heads for key switches (key n° 455)

Description		Reference	Weight kg
2 position	Stay put Key withdrawal in left-hand position	ZA2 BG2	0.042
	Stay put Key withdrawal in left and right-hand position	ZA2 BG4	0.042
	1 spring return from right to left Key withdrawal in left-hand position	ZA2 BG6	0.042
	3 position	Stay put Key withdrawal in centre position	ZA2 BG3
Stay put Key withdrawal in left and right-hand position		ZA2 BG5	0.042
Stay put Key withdrawal in left-hand position		ZA2 BG9	0.042
2 spring return to centre Key withdrawal in centre position		ZA2 BG7	0.042
	1 spring return from left to centre Key withdrawal in right-hand position	ZA2 BG1	0.042



ZA2 BG●



ZA2 BV0●

Heads for pilot lights

Description	Colour	Reference	Weight kg
For use with incandescent bulb	Green	ZA2 BV03	0.011
	Red	ZA2 BV04	0.011
	Yellow	ZA2 BV05	0.011
	Blue	ZA2 BV06	0.011
	Clear	ZA2 BV07	0.011
For use with incandescent bulbs, neon bulbs or LEDs	Red	ZA2 BV043	0.011
	Yellow	ZA2 BV053	0.011
	Clear	ZA2 BV073	0.011



ZA2 BW3●

Heads for illuminated pushbuttons

Description	Colour	Reference	Weight kg
Flush	Green	ZA2 BW33	0.013
	Red	ZA2 BW34	0.013
	Yellow	ZA2 BW35	0.013
	Blue	ZA2 BW36	0.013
	Clear	ZA2 BW37	0.013
Projecting	Green	ZA2 BW13	0.013
	Red	ZA2 BW14	0.013



ZA2 BW14

Other versions

Key switches with other mechanical functions and with other key numbers.
Heads for illuminated 2 or 3 position selector switches.
Please consult your Regional Sales Office.

References of separate components and spare parts (continued)

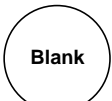
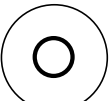
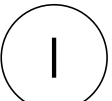



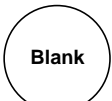
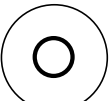
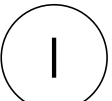



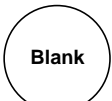
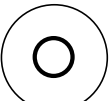
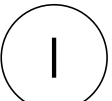

























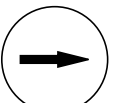
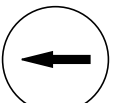




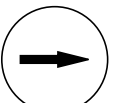
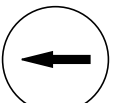




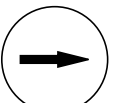
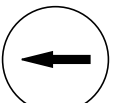
Legends, 30 x 40 mm

- Start functions: white characters on black background.
- Stop functions: white characters on red or black background.

Text	Unit reference	Weight kg	Text	Unit reference	Weight kg
Blank (sold in lots of 10)					
Black or red background	ZB2 BY2101	0.001	White or yellow background	ZB2 BY4101	0.001
Standard texts for pushbuttons					
Arrêt	ZB2 BY●104 (1)	0.001	Off	ZB2 BY2312	0.001
Arrêt général	ZB2 BY●129 (1)	0.001	On	ZB2 BY2311	0.001
Arrêt réarmement	ZB2 BY●133 (1)	0.001	Open	ZB2 BY2313	0.001
Close	ZB2 BY2314	0.001	Power on	ZB2 BY2326	0.001
Déclenchement	ZB2 BY2132	0.001	Reset	ZB2 BY2323	0.001
Down	ZB2 BY2308	0.001	Reverse	ZB2 BY2306	0.001
Emergency stop	ZB2 BY2330	0.001	Right	ZB2 BY2309	0.001
Enclenchement	ZB2 BY2131	0.001	Slow	ZB2 BY2327	0.001
Fast	ZB2 BY2328	0.001	Start	ZB2 BY2303	0.001
Forward	ZB2 BY2305	0.001	Stop	ZB2 BY●304 (1)	0.001
Left	ZB2 BY2310	0.001	Up	ZB2 BY2307	0.001
Standard texts for selector switches					
Arrêt-Marche	ZB2 BY2166	0.001	Avant-O-Arrière	ZB2 BY2184	0.001
Auto-Hand	ZB2 BY2364	0.001	C-P-C-Normal	ZB2 BY2165	0.001
Auto-O-Hand	ZB2 BY2385	0.001	Hors-En	ZB2 BY2167	0.001
Universal symbols					
O	ZB2 BY●146 (1)	0.001	O-I	ZB2 BY2178	0.001
I	ZB2 BY2147	0.001	I-II	ZB2 BY2179	0.001
II	ZB2 BY2148	0.001	I-O-II	ZB2 BY2186	0.001

(1) Replace the ● in the reference by 0 for a legend with white characters on a black background or by 2 for a legend with white characters on a red background. Stop function example: for white characters on a black background, the reference becomes: ZB2 BY0304.

Circular legends (for use with transparent pushbuttons ZB2 BA●8)

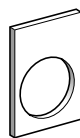
Reference	Weight kg						
<table border="0"> <tr> <td> Blank ZB2 BY1101</td> <td> O ZB2 BY1146</td> <td> I ZB2 BY1147</td> <td> II ZB2 BY1148</td> <td> III ZB2 BY1149</td> <td> ARRET ZB2 BY1104</td> </tr> </table>	 Blank ZB2 BY1101	 O ZB2 BY1146	 I ZB2 BY1147	 II ZB2 BY1148	 III ZB2 BY1149	 ARRET ZB2 BY1104	0.001
 Blank ZB2 BY1101	 O ZB2 BY1146	 I ZB2 BY1147	 II ZB2 BY1148	 III ZB2 BY1149	 ARRET ZB2 BY1104		
<table border="0"> <tr> <td> AUTO ZB2 BY1115</td> <td> AVANT ZB2 BY1105</td> <td> ARRIERE ZB2 BY1106</td> <td> DESCENTE ZB2 BY1108</td> <td> MAIN ZB2 BY1116</td> <td> MARCHE ZB2 BY1103</td> </tr> </table>	 AUTO ZB2 BY1115	 AVANT ZB2 BY1105	 ARRIERE ZB2 BY1106	 DESCENTE ZB2 BY1108	 MAIN ZB2 BY1116	 MARCHE ZB2 BY1103	0.001
 AUTO ZB2 BY1115	 AVANT ZB2 BY1105	 ARRIERE ZB2 BY1106	 DESCENTE ZB2 BY1108	 MAIN ZB2 BY1116	 MARCHE ZB2 BY1103		
<table border="0"> <tr> <td> MONTEE ZB2 BY1107</td> <td> STOP ZB2 BY1304</td> <td> ZB2 BY1912</td> <td> ZB2 BY1912</td> <td> ZB2 BY1912</td> <td> ZB2 BY1912</td> </tr> </table>	 MONTEE ZB2 BY1107	 STOP ZB2 BY1304	 ZB2 BY1912	 ZB2 BY1912	 ZB2 BY1912	 ZB2 BY1912	0.001
 MONTEE ZB2 BY1107	 STOP ZB2 BY1304	 ZB2 BY1912	 ZB2 BY1912	 ZB2 BY1912	 ZB2 BY1912		

Accessories, tools

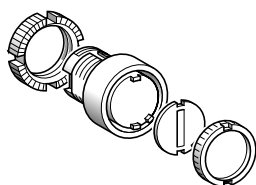
Description	Unit reference	Weight kg	
Blanking plugs	With seal and fixing nut		
	Insulated, black	ZB2 SZ3	0.005
	Insulated, grey	ZB2 SZ4	0.005
Commoning/earth terminal (sold in lots of 10)	Capacity 2 x 1.5 mm ²	XAL Z09	0.003
Tightening tool	For use with transparent pushbuttons	ZB2 BZ8	0.010
Bulb extractor	For BA 9s base fitting bulbs	XBF X13	0.025

Other versions

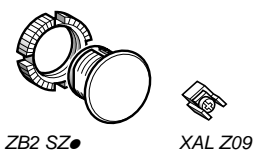
Legends with special texts or texts in other languages.
Circular legends ZB2 BY1●●● with symbols conforming to NF C 60-032, DIN 55003, CNOMO 03-13-01.
Please consult your Regional Sales Office.



ZB2 BY2●●●
ZB2 BY4●●●

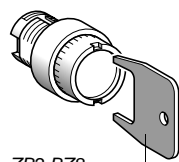


Transparent pushbutton

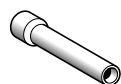


ZB2 SZ●

XAL Z09



ZB2 BZ8



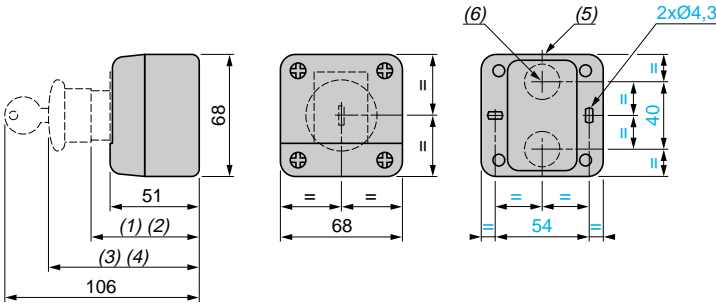
XBF X13

Control stations and enclosures

Double insulated control stations, for control circuits

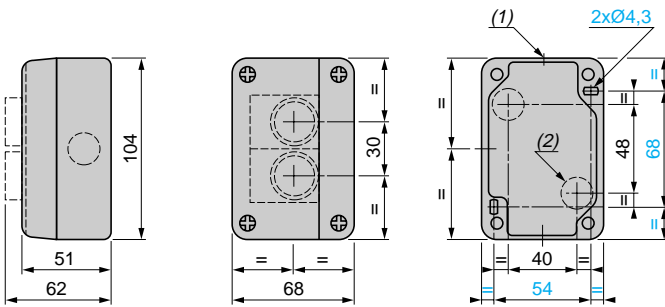
Dimensions

Single-way control stations XAL B01, XAL J01, XAL B1●●, XAL J1●●, XAL N1●●



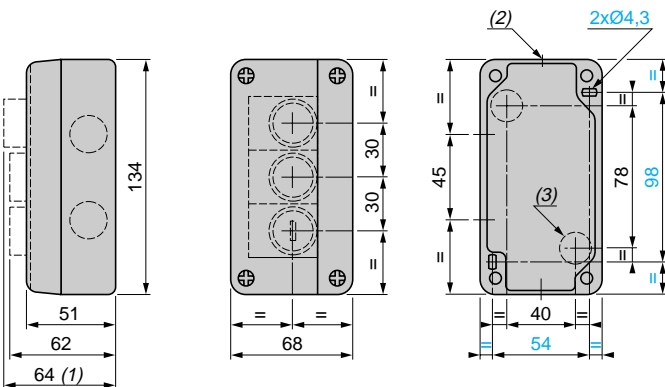
- (1) 62 mm with pushbutton.
- (2) 77 mm with selector switch.
- (3) 82 mm with mushroom head pushbutton.
- (4) 102 mm with trigger action mushroom head pushbutton.
- (5) 2 knock-outs in sides for 12 mm maximum capacity cable gland.
- (6) 2 x Ø 19 knock-outs for cable entry through base.

2-way control stations XAL B02, XAL B2●●, XAL N2●●



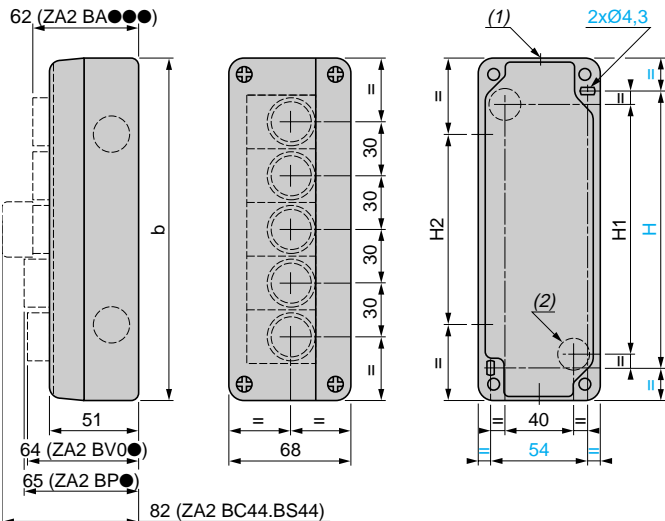
- (1) 4 knock-outs in sides for 12 mm maximum capacity cable gland.
- (2) 2 x Ø 19 knock-outs for cable entry through base.

3-way control stations XAL B03, XAL B3●●, XAL N3●●



- (1) Pilot light.
- (2) 6 knock-outs in sides for 12 mm maximum capacity cable gland.
- (3) 2 x Ø 19 knock-outs for cable entry through base.

4 and 5-way control stations XAL B04, XAL B05



XAL	b	H	H1	H2
B04	164	128	108	62
B05	194	158	138	72

- (1) 6 knock-outs in sides for 12 mm maximum capacity cable gland.
- (2) 2 x Ø 19 knock-outs for cable entry through base.