

Components for safety applications

Double insulated control stations, for control circuits

Characteristics

Environment

Conforming to standards	EN 60 947-5-1. Emergency stop can be used in circuits which are designed to conform to EN 418.
Protective treatment	Standard version : "TC" and "TH"
Ambient air temperature	Operation : - 25...+ 70 °C Storage : - 40... + 70 °C
Electric shock protection	Class II conforming to IEC 536
Degree of protection	IP 65 conforming to IEC 529
Mechanical durability	3 million operating cycles
Flame resistance	UL 94 : VO
Material and colours	Polycarbonate, yellow RAL 1012 and grey RAL 7021
Cable entry	Knock-out cable entries or tapped cable entries for addition of cable glands (see dimensions, page 6/37)

Contact block characteristics

Rated operational characteristics	$\sim$ AC-15 : A600 or $U_e = 240$ V and $I_e = 3$ A $\equiv$ DC-13 : Q600 or $U_e = 250$ V and $I_e = 0.27$ A conforming to IEC 947-5-1 Appendix A
Rated insulation voltage	$U_i = 500$ V degree of pollution 3 conforming to IEC 947-1. $U_i = 600$ V conforming to UL 508 and CSA C22-2 n° 14
Rated impulse withstand voltage	$U_{imp} = 6$ kV conforming to IEC 947-1
Contact operation	Slow break (N/C or N/O)
Positive operation	N/C contact with positive opening operation conforming to IEC 947-5-1 Section 3
Operating force	Mushroom head pushbuttons, with 1 N/C contact : 0.8 daN Additional contacts, N/O : + 0.5 daN, N/C : + 0.3 daN
Short-circuit protection	10 A cartridge fuse type gG (gl) conforming to IEC 269

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References



Description	Scheme	Marking on enclosure	Reference	Weight kg
1 latching mushroom head pushbutton , Ø 40 mm, red Turn to release	N/C + N/O	None	XAL-J178	0.140
	N/C + N/C	None	XAL-J178F	0.140
1 latching mushroom head pushbutton , Ø 40 mm, red Key release (Ronis n° 455)	N/C + N/O	None	XAL-J188	0.170
	N/C + N/C	None	XAL-J188F	0.170
	N/C + N/O + N/C	None	XAL-J188G	0.180

Description	Scheme	Marking on enclosure	Reference	Weight kg
1 latching mushroom head pushbutton , Ø 40 mm, red Turn to release	N/C	None	XAL-J174	0.140
	N/C + N/C	None	XAL-J174F	0.140
1 latching mushroom head pushbutton , Ø 40 mm, red Key release (Ronis n° 455)	N/C	None	XAL-J184	0.170
	N/C + N/C	None	XAL-J184F	0.170



Other units using adaptable sub-assemblies :
empty enclosures, contact blocks, signalling units, operators, legend
plates (see pages 6/35 and 6/37).

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References



XAL-J01

Empty enclosures

Description	Number of ways	Marking	Reference	Weight kg
Yellow lid, dark grey base	1	–	XAL-J01	0.095
		Emergency stop	XAL-J01H29	0.095
		Arrêt d'urgence	XAL-J01001	0.095
		Not Aus	XAL-J01002	0.095

Contact blocks



ZA2-BZ141

Description	Scheme	Function	Unit reference	Weight kg
Single-pole contact block Slow break (Sold singly)		N/C	XEN-L1121	0.013
		N/O	XEN-L1111	0.013
3-pole contact block Slow break		N/C + N/O + N/C	ZA2-BZ141	0.030

“Trigger action” and latching mushroom heads



ZA2-BS844

Description	Diameter mm	Colour	Reference	Weight kg
Trigger action Turn to release	Ø 30	Red	ZA2-BS834	0.040
	Ø 40	Red	ZA2-BS844	0.050
Trigger action Key release (Ronis n° 455)	Ø 30	Red	ZA2-BS934	0.060
	Ø 40	Red	ZA2-BS944	0.070
Push-pull	Ø 30	Red	ZA2-BT44	0.060
	Ø 40	Red	ZA2-BT4	0.050
	Ø 40 for padlocks	Red	ZA2-BT409	0.085
Turn to release	Ø 30	Red	ZA2-BS44	0.040
	Ø 40	Red	ZA2-BS54	0.050
Key release (Ronis n° 455) Latches immediately when pushed. Key withdrawal in rest (unoperated) position	Ø 30	Red	ZA2-BS74	0.060
	Ø 40	Red	ZA2-BS14	0.070

Other versions

Empty polyamide enclosures for difficult environments.
Key release mushroom pushbutton heads with other key numbers.
Please consult your Regional Sales Office.

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References, dimensions

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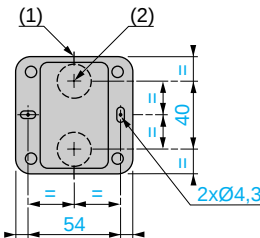
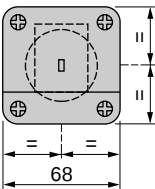
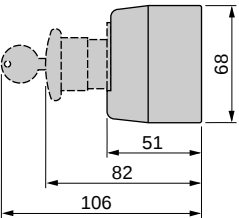
ZB2-BY8330

Legend plates

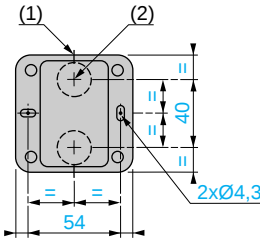
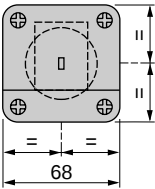
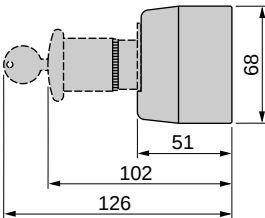
Description	Size mm	Reference	Weight kg
Circular legend plates, black characters, yellow background	Ø 60	ZB2-BY9330	0.001
	Ø 90	ZB2-BY8330	0.001

Dimensions

Single-way control stations XAL-J01, XAL-J1
with mushroom head pushbutton



with trigger action mushroom head pushbutton



(1) 2 Ø 20 mm knock-outs in sides for 12 mm maximum capacity cable glands
(2) 2 Ø 19 mm knock-outs for cable entry through base