

Control stations and enclosures

Plastic control stations XAL G for severe environments

With cut-outs for Ø 22 control and signalling units XB5

Presentation

■ Plastic control stations XAL G are designed for use in severe environments (dirty, dusty or humid atmospheres). They ensure an increased degree of protection (IP 66, IP 69K) against the penetration of solid bodies and liquids and a high level of protection against heat and chemical products (acids, solvents, oils, alkaline substances).

■ The empty control stations XAL G are available with one, two, three, four or five Ø 22 mm cut-outs for the fitting of any of the catalogue listed Harmony control and signalling units type XB5.

■ Control stations XAL G comprise a lid and a base, with four captive stainless steel screws securing the lid.

□ The XB5 control and signalling units are mounted on the lid and secured by the head of the unit.

□ The electrical blocks of the XB5 units are mounted directly beneath the heads using a body/fixing collar (station method).

□ An anti-rotation plate is not required when mounting selector/key switches or Emergency stop mushroom heads: a notch incorporated in each cut-out fulfils this function.

□ The use of booted heads is recommended when using the station in severe environments.

■ The smooth and uniform surface of the lids simplifies cleaning of the installed control station.

■ Self-adhesive legends, with or without marking, specifically for use with these control stations are available as an accessory. They are resistant to high pressure cleaning and to heat.

Environment

Protective treatment	Standard version		"TC" and "TH"	
Ambient air temperature (around the device)	For storage	°C	- 40...+ 70	
	For operation	°C	- 25...+ 70	
Electric shock protection	Conforming to IEC 61140		Class II	
Degree of protection	Conforming to IEC 60529		IP 66, IP 69K	
High pressure cleaning resistance		Bar	100 at 0.2 m and 80 °C	
Mechanical shock protection (empty control stations)	Conforming to EN 50102		IK 05	
Conformity to standards			EN/IEC 60947-1, EN/IEC 60947-5-1	
Material			Lid and base: mineral reinforced polyamide	
Colour			Lid and base: black "RAL 9005"	
Cable entries			Two ISO 20 open entries (1)	
Resistance to chemical products		Results	Test conditions	
			Concentration (%)	Temperature (°C)
	Acetic acid	O	10	–
	Acetone	+	–	–
	Ammonia	+	–	–
	Benzene	+	–	–
	Boric acid	O	–	–
	Butter	+	–	–
	Citric acid	+	10	–
	Cutting compounds	+	–	–
	Ethane	+	–	–
	Ethanol	+	–	–
	Ethylene	+	–	–
	Fatty acids	+	–	–
	Fatty alcohols	+	–	–
	Formic acid	-	10	50
	Hydrogen peroxide	-	30	–
	Lactic acid	+	–	10
	Lactic acid	-	–	90
	Milk	+	–	–
	Motor oils and greases	+	–	–
	Nitric acid	-	2	–
	Oils (vegetable, mineral)	+	–	–
	Petroleum	+	–	–
	Uric acid	+	20	–
	Detergent	+	max.	60

+ : good resistance
O: limited resistance
- : no resistance

(1) One ISO 20 cable entry blanking plug included with control station enclosures XAL G.

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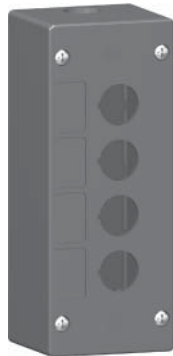
XAL G01



XAL G02



XAL G03



XAL G04



XAL G05

References

Control stations XAL G for severe environments

Description	Number of Ø 22 cut-outs	Reference	Weight kg
Black "RAL 9005" lid and base	1	XAL G01	0.226
	2	XAL G02	0.280
	3	XAL G03	0.333
	4	XAL G04	0.331
	5	XAL G05	0.382

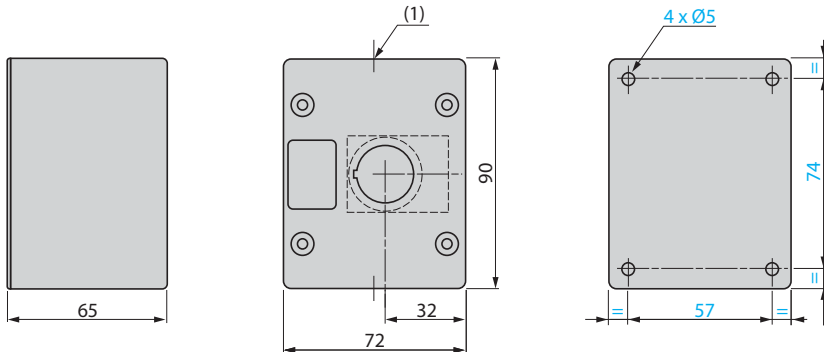
Self-adhesive legends (19 x 27 mm) for control stations XAL G

Description	Marking	Sold in lots of	Unit reference	Weight kg
Blank legend (colour: grey)	–	10	ZBY D06102	0.001
Legends with marking (black marking on grey background)	O	1	ZBY D06146	0.001
	I	1	ZBY D06147	0.001
	O I	1	ZBY D06178	0.001
	EIN	1	ZBY D06203	0.001
	AUS	1	ZBY D06204	0.001
	AUF	1	ZBY D06207	0.001
	AB	1	ZBY D06208	0.001
	AUS EIN	1	ZBY D06266	0.001
	START	1	ZBY D06303	0.001
	STOP	1	ZBY D06304	0.001
	ON	1	ZBY D06311	0.001
	POWER ON	1	ZBY D06326	0.001
	HAND AUTO	1	ZBY D06364	0.001
	OFF ON	1	ZBY D06367	0.001

Other versions New control stations with 40 mm between 2 holes. Available 3rd quarter of 2011

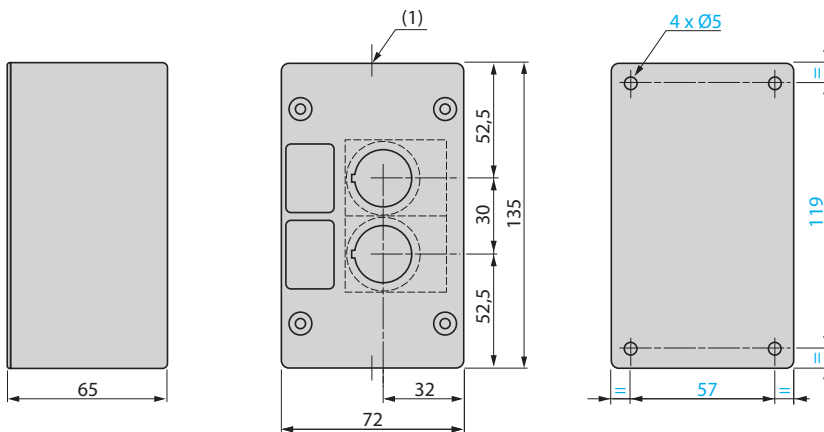
Dimensions

XAL G01



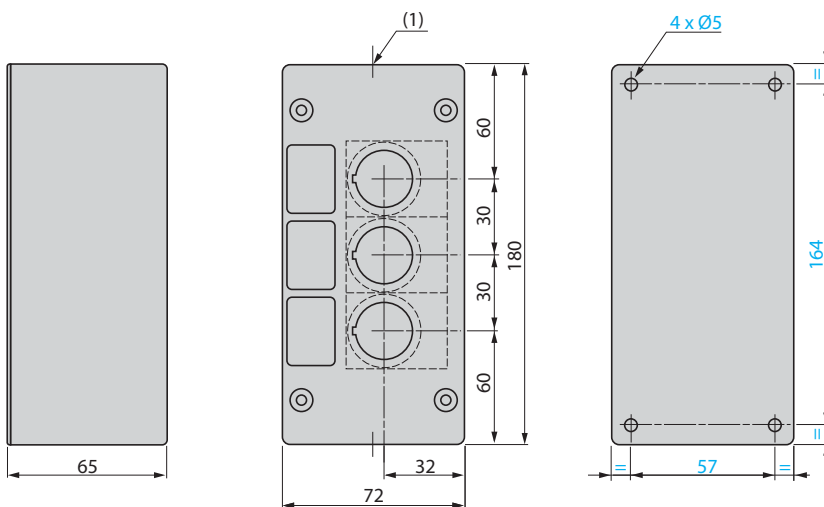
(1) 2 ISO 20 cable entries.

XAL G02



(1) 2 ISO 20 cable entries.

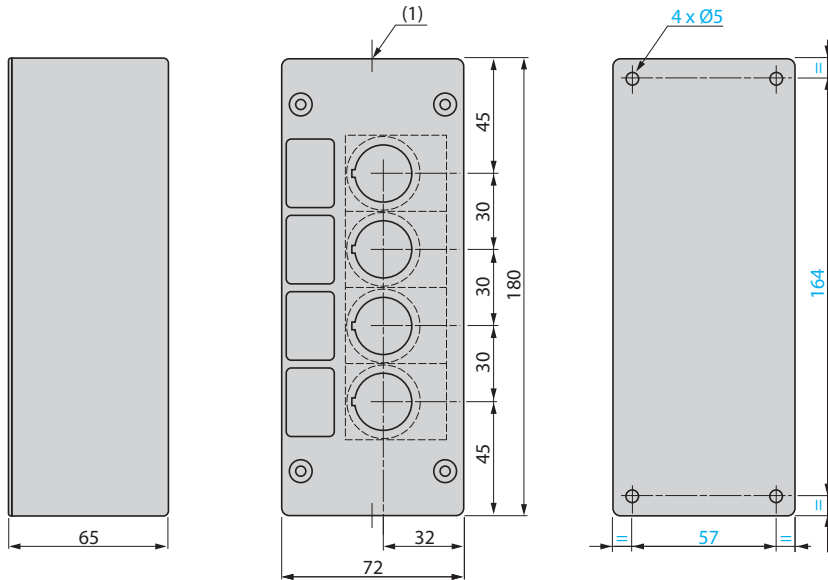
XAL G03



(1) 2 ISO 20 cable entries.

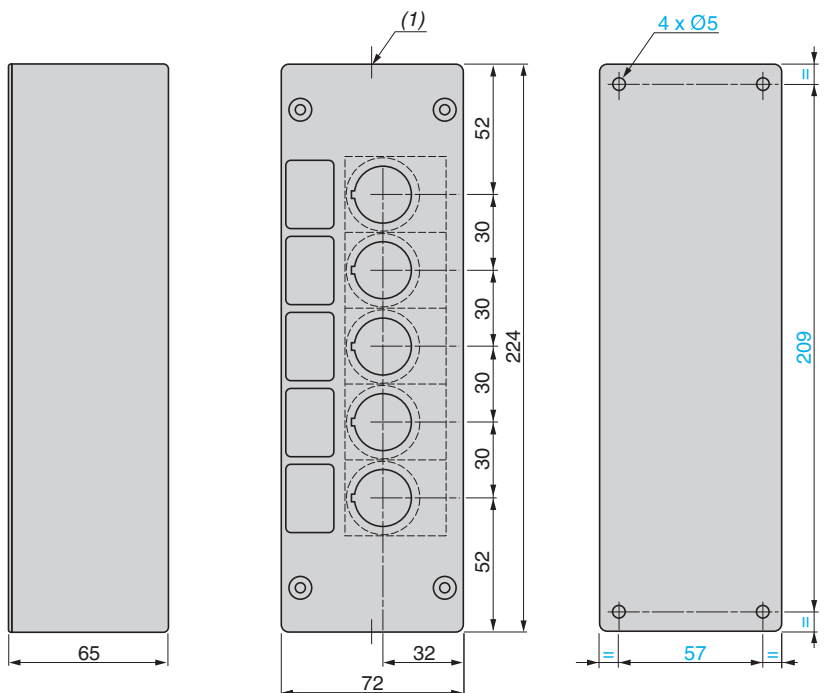
Dimensions

XAL G04



(1) 2 ISO 20 cable entries.

XAL G05



(1) 2 ISO 20 cable entries.