Presentation, characteristics

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.
- $\hfill\Box$ 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.
- $\hfill\Box$ 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.

Protective treatment Standard version Monitaria tremperature For storage *C -40 + 70	Environment						
Electric shock protection	Protective treatment	Standard version		"TC" and "TH"			
Class Clas		For storage	°C	- 40+ 70			
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 Conformity to Standards ENJEC 60947-1, ENJEC 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 *: good resistance Acetic acid O 10 - *: good resistance Acetic acid O 10 - *: no resistance Acetic acid O 10 - Ammonia * - - - Borize acid O - - - Butter * + - - Citric acid * + - - Citric acid * + - - Citric acid * + - - Ethane *	(around the device)	For operation	°C	- 25+ 70			
High pressure cleaning resistance Bar 100 at 0.2 m and 80 °C	Electric shock protection	Conforming to IEC 61140		Class II			
Mechanical shock protection Conforming to EN 50102 (empty control stations) EN/IEC 60947-1, EN/IEC 60947-5-1				IP 66, IP 69K			
(empty control stations)	High pressure cleaning resistance		Bar	100 at 0.2 m and 80 °C			
Lid and base: mineral reinforced polyamide		Conforming to EN 50102		IK 05			
Colour Lid and base: black "RAL 9005" Cable entries Two ISO 20 open entries (1) Resistance to chemical products Results Results Test conditions Concentration (%) Temperature (°C) * Good resistance Acetic acid O 10 — Ammonia * — — Benzene * — — Boric acid O — — Butter + — — Citric acid + — — Ethane + — — Ethanol + — — Ethylene + — — Fatty acids + — — Fatty acidonls + — — Formic acid - — — Hydrogen peroxide - 30 — Lactic acid + — — Hydrogen peroxide	Conformity to standards			,			
Two ISO 20 open entries (1)	Material						
Resistance to chemical products	Colour			Lid and base: black "RAL 9005"			
+ : good resistance O: limited resistance O: limited resistance No i ministed resistance Acetic acid Acetone Acetone Acetone Acetone Acetone Acetone Acetone Acetone Acetone Acetone Acetone Acetone Acetone Acetone	Cable entries			Two ISO 20 open entries (Two ISO 20 open entries (1)		
+: good resistance Acetic acid 0 10 — Oc limited resistance Acetone + — — -: no resistance Ammonia + — — Benzene + — — — Boric acid 0 — — — Butter + — — — Citric acid + 10 — — Cutting compounds + — — — Ethane + — — — Ethane + — — — Ethylene + — — — Fatty alcohols + — — — Fatty alcohols + — — — Fatty alcohols + — — — Hydrogen peroxide - 30 — — Lactic acid + — — 90	Resistance to chemical products			Results Test conditions			
O: limited resistance + - - -: no resistance 4 - - Benzene + - - Boric acid O - - Butter + - - Citric acid + 10 - Cutting compounds + - - Ethane + - - Ethanol + - - Ethylene + - - Fatty acids + - - Fatty aichols + - - Formic acid + - - Hydrogen peroxide - 10 50 Hydrogen peroxide - 30 - Lactic acid + - 90 Milk + - - Motor oils and greases + - - Nitric acid - 2 - Oils (vegetable, mineral) + - - Petroleum +					Concentration (%)	Temperature (°C)	
-: no resistance Ammonia		Acetic acid		0	10	-	
Henzene		Acetone		+	-	_	
Boric acid Butter +		Ammonia		+	-	-	
Butter		Benzene		+	-	-	
Citric acid + 10 - Cutting compounds + - - Ethane + - - Ethanol + - - Ethylene + - - Fatty acids + - - Fatty alcohols + - - Formic acid + - - Hydrogen peroxide - 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		Boric acid		0	-	_	
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		Butter		+	-	-	
Ethane + - - Ethanol + - - Ethylene + - - 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				+	10	-	
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		Cutting compounds		+	-	_	
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		Ethane		+	_	_	
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		Ethanol		+	-	_	
Fatty alcohols		Ethylene		+	-	_	
Formic acid		Fatty acids		+	-	-	
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		Fatty alcohols		+	-	_	
Lactic acid		Formic acid		-	10	50	
Lactic acid - - 90 Milk + - - Motor oils and greases + - - Nitric acid - 2 - Oils (vegetable, mineral) + - - Petroleum + - - Uric acid + 20 - Detergent + max. 60				-	30		
Milk + - - Motor oils and greases + - - Nitric acid - 2 - Oils (vegetable, mineral) + - - Petroleum + - - Uric acid + 20 - Detergent + max. 60		Lactic acid		+	-	10	
Motor oils and greases + - - Nitric acid - 2 - Oils (vegetable, mineral) + - - Petroleum + - - Uric acid + 20 - Detergent + max. 60		Lactic acid		-	-	90	
Nitric acid - 2 - Oils (vegetable, mineral) + - - Petroleum + - - Uric acid + 20 - Detergent + max. 60		Milk		+	-	-	
Oils (vegetable, mineral) + - - Petroleum + - - Uric acid + 20 - Detergent + max. 60		Motor oils and greases		+	-	_	
Petroleum + - - Uric acid + 20 - Detergent + max. 60		Nitric acid		-	2	-	
Uric acid + 20 - Detergent + max. 60		Oils (vegetable, mineral)		+	-	-	
Detergent + max. 60		Petroleum		+	-	-	
		Uric acid		+	20	-	
		Detergent		+	max.	60	

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

Control stations and enclosures

Plastic control stations XAL G for severe environments

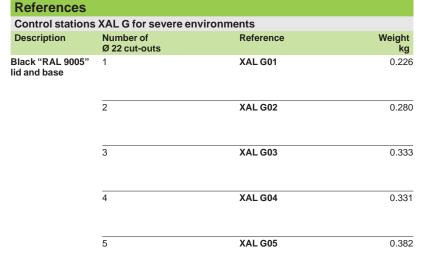
With cut-outs for Ø 22 control and signalling units XB5



XAL G01











Marking	Sold in lots of	Unit reference	Weight kg
-	10	ZBY D06102	0.001
0	1	ZBY D06146	0.001
I	1	ZBY D06147	0.001
ОІ	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	01	ZBY D06364	0.001
OFF ON	1	ZBY D06367	0.001
	O I EIN AUS AUF AB AUS EIN START STOP ON POWER ON HAND AUTO	- 10 O 1 I 1 OI 1 EIN 1 AUS 1 AUF 1 AUS EIN 1 START 1 STOP 1 ON 1 POWER ON 1 HAND AUTO 1	- 10 ZBY D06102 O 1 ZBY D06146 I 1 ZBY D06147 OI 1 ZBY D06178 EIN 1 ZBY D06203 AUS 1 ZBY D06204 AUF 1 ZBY D06207 AB 1 ZBY D06207 AB 1 ZBY D06208 AUS EIN 1 ZBY D06266 START 1 ZBY D06303 STOP 1 ZBY D06304 ON 1 ZBY D06311 POWER ON 1 ZBY D06364



XAL G05

Control stations and enclosures

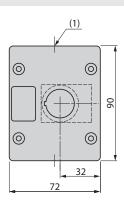
Plastic control stations XAL G for severe environments

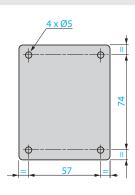
With cut-outs for Ø 22 control and signalling units XB5

Dimensions

XAL G01

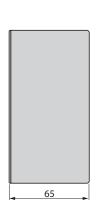


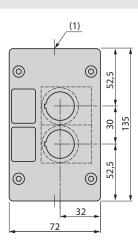


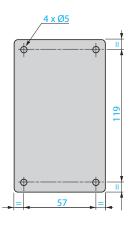


(1) 2 ISO 20 cable entries.

XAL G02



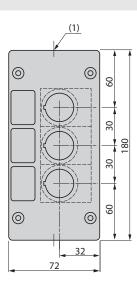


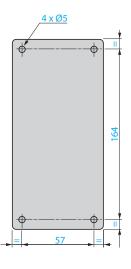


(1) 2 ISO 20 cable entries.

XAL G03







version: 2.4

(1) 2 ISO 20 cable entries.

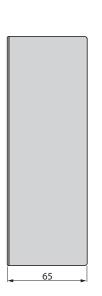
Control stations and enclosures

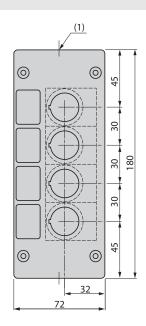
Plastic control stations XAL G for severe environments

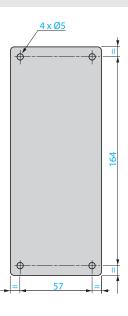
With cut-outs for Ø 22 control and signalling units XB5

Dimensions

XAL G04

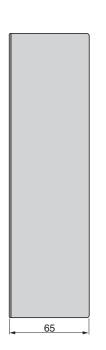


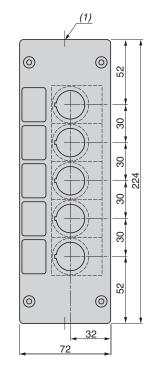


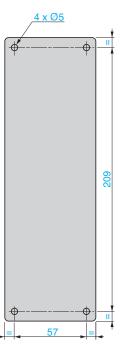


(1) 2 ISO 20 cable entries.

XAL G05







(1) 2 ISO 20 cable entries.