

Harmony[®] XALG plastic enclosures for severe environments

For Harmony[®] XB5 plastic signaling units Ø 22

Catalog

January 2017



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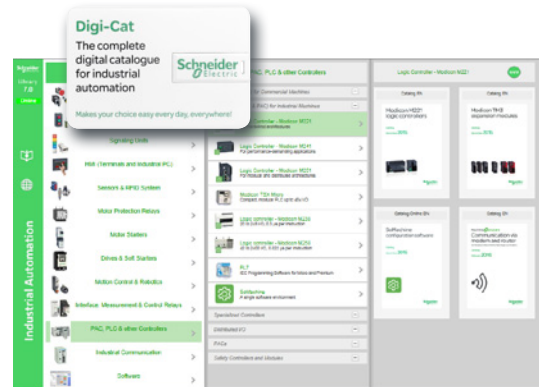
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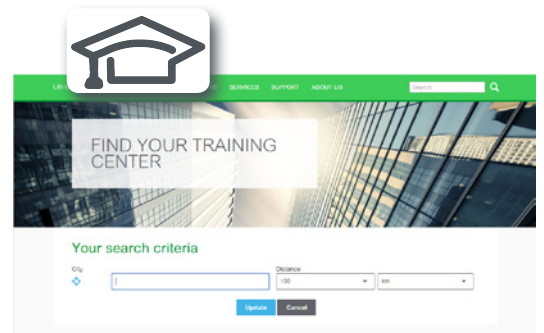
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General contents

Harmony® XALG plastic enclosures for severe environments

Selection guide page 2

■ Presentation

□ Presentation of range page 4

□ Environment page 4

□ Connection page 4

■ References

□ With cut-outs page 5

□ Legends page 5

■ **Product reference index** page 6

Type of applications	All applications	
Enclosures	Plastic	Glass-reinforced polyester
	Complete stations and separate components for customer assembly	Empty insulated enclosures



Main feature	Pre-drilled control stations		Pre-drilled or undrilled enclosures
Associated control and signaling units	Harmony XB5 with plastic bezel		Harmony XB7, monolithic, plastic Harmony XB4 with metal bezel Harmony XB5 with plastic bezel
Number of cut-outs for Ø 22 control and signaling	1, 2, 3, 4 or 5	1, 2 or 3 (complete stations) 1, 2, 3, 4 or 5 (empty enclosures)	1, 2 or 3 1, 2, 4, 8 or 16
Material	Polycarbonate		ABS Glass-reinforced polyester
Color	Yellow lid Light gray base	Dark gray lid Light gray base	Light gray or yellow lid Light gray base Colored gray throughout
Degree of protection	IP 65 / NEMA Enclosure type 4, 4X and 13		IP 54 IP 65
Function	Emergency Stop or Emergency switching off	Start or Stop Start-Stop with pilot light Motion control	According to equipment fitted: <input type="checkbox"/> Start or Stop <input type="checkbox"/> Start-Stop with pilot light <input type="checkbox"/> Motion control <input type="checkbox"/> Emergency stop
Cable entries	Knock-outs (CM12)		Knock-outs (ISO 20) Undrilled
Type references	XALK	XALD	XALE XAPA

All applications	Specific applications		
Metal	Metal front plate, insulated protective rear cover	Plastic	Metal
Empty enclosures	Empty, flush mounting enclosures: front plate + rear cover	Control stations for severe environments	Lift inspection stations Key operated control stations



Pre-drilled enclosures	Pre-drilled or undrilled enclosures	Pre-drilled front plates & rear covers	Pre-drilled empty control stations	Pre-drilled empty enclosures or fitted stations	Fitted stations
Harmony XB4 with metal bezel Harmony XB5 with plastic bezel			Harmony XB5 with plastic bezel	Harmony XB5 or XB7 with plastic bezel	With key lock bezel
8, 16, 24, 30 or 40	1, 2, 3, 4, 6, 8 or 12	1, 2, 3, 4 or 5	1, 2, 3, 4 or 5	1, 2, 3, 4, 5 or 6 with or without power socket	-
Aluminium alloy or sheet steel	Zinc or aluminium alloy	Front plate: brushed aluminium Rear cover: polystyrene	Mineral reinforced polyamide	Polycarbonate	Zinc alloy
Blue lid and base	XAPM: Blue lid Blue base XAPJ: Yellow lid Blue base	Unpainted aluminium	Black lid Black base	Yellow lid Light gray base	Gray
IP 54	IP 65		IP 66 IP 69K	IP 44 (with power socket) IP 55 or IP 66 depending on model	IP 54
According to equipment fitted: <input type="checkbox"/> Start or Stop <input type="checkbox"/> Start-Stop with pilot light <input type="checkbox"/> Motion control <input type="checkbox"/> Emergency stop					Start-Stop
<input type="checkbox"/> Tapped entries for cable-glands <input type="checkbox"/> or undrilled	Tapped entries for cable-glands	Knock-outs (with protective rear cover)	Two ISO 20 open entries	<input type="checkbox"/> Knock-outs (CM12) <input type="checkbox"/> or undrilled	Tapped for cable-glands
XB2SL	XAPM, XAPJ	XAPE	XALG	XALF	XAPS

Control stations and enclosures

XALG plastic control stations for severe environments

With cut-outs for Harmony XB5 Ø 22 control and signaling units

Presentation

- Harmony XALG empty control stations are available with 1, 2, 3, 4, or 5 cut-outs. These Ø 22 mm/Ø 0.87 in. cut-outs are used to fit the Harmony XB5 range of control and signaling units.
- XALG empty control stations comprise a black (RAL9005) polyamide lid and base, with 4 captive stainless steel screws securing the lid.
 - The XB5 control and signaling units are mounted on the lid and secured by the head of the unit.
 - The electrical blocks for 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, are available specifically for use with these control stations. They are resistant to high pressure cleaning and to heat.

Environment

- Degree of protection: XALG plastic control stations are designed for use in severe environments (dirty, dusty, or humid atmospheres). They provide an increased degree of protection (IP 66 and IP 69K) against ingress of solid bodies and liquids and a high level of protection against heat and chemical products (acids, solvents, oils, or alkaline substances).
- Conformity to standards: EN/IEC 60947-1 and EN/IEC 60947-5-1
- High pressure cleaning resistance: 100 bar at 0.2 m/0.66 ft and 80 °C/176 °F
- Protective treatment: "TC" and "TH"
- Resistance to chemical products: see table below.

Type of chemical products	Results	Test conditions	
		Concentration %	Temperature (°C/°F)
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	50/122
Hydrogen peroxide	-	30	–
Lactic acid	+	–	10/50
Lactic acid	-	–	90/194
Milk	+	–	–
Motor oils and greases	+	–	–
Nitric acid	-	2	–
Oils (vegetable, mineral)	+	–	–
Petroleum	+	–	–
Uric acid	+	20	–
Detergent	+	max.	60/140

+ : Good resistance O : Limited resistance - : No resistance

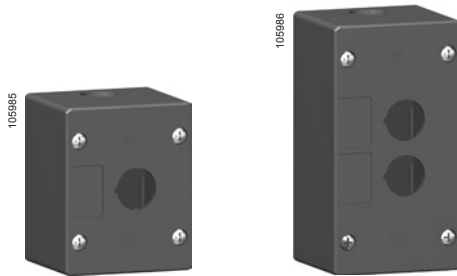
Connection

Connection is made through two ISO 20 cable entries. One ISO 20 cable entry blanking plug is included with XALG control stations.

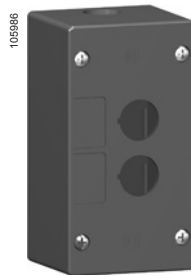
Control stations and enclosures

XALG plastic control stations for severe environments

With cut-outs for Harmony XB5 Ø 22 control and signaling units



XALG01



XALG02



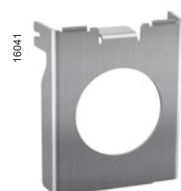
XALG03



XALG04



XALG05



ZBZ110

Control stations

Description	Number of Ø 22 cut-outs	Dimensions (1) w x h x d mm/in.	Reference	Weight kg/lb
Black RAL 9005 mineral reinforced polyamide lid and base (with 30 mm/1.18 in. between 2 holes)	1	72 x 90 x 65/ 2.83 x 3.54 x 2.56	XALG01	0.226/0.498
	2	72 x 135 x 65/ 2.83 x 5.31 x 2.56	XALG02	0.280/0.617
	3	72 x 180 x 65/ 2.83 x 7.09 x 2.56	XALG03	0.333/0.734
	4	72 x 180 x 65/ 2.83 x 7.09 x 2.56	XALG04	0.331/0.730
	5	72 x 224 x 65/ 2.83 x 8.82 x 2.56	XALG05	0.382/0.842

Accessories

Legends

Description	Marking	Sold in lots of	Unit reference	Weight kg/lb
Self-adhesive blank legends (19 x 27 mm/0.75 x 1.06 in.) (color: gray)	–	10	ZBYD06102	0.001/0.002
Self-adhesive legends with marking (19 x 27 mm/0.75 x 1.06 in.) (black marking on gray background)	O	1	ZBYD06146	0.001/0.002
	I	1	ZBYD06147	0.001/0.002
	O I	1	ZBYD06178	0.001/0.002
	EIN	1	ZBYD06203	0.001/0.002
	AUS	1	ZBYD06204	0.001/0.002
	AUF	1	ZBYD06207	0.001/0.002
	AB	1	ZBYD06208	0.001/0.002
	AUS EIN	1	ZBYD06266	0.001/0.002
	START	1	ZBYD06303	0.001/0.002
	STOP	1	ZBYD06304	0.001/0.002
	ON	1	ZBYD06311	0.001/0.002
	POWER ON	1	ZBYD06326	0.001/0.002
	HAND AUTO	1	ZBYD06364	0.001/0.002
	OFF ON	1	ZBYD06367	0.001/0.002

Grounding plate

Description	For use with	Sold in lots of	Unit reference	Weight kg/lb
Grounding plate with ground screw	Harmony XB4 metal and XALG plastic control stations	1	ZBZ110	0.017/0.037

(1) Please see our website www.schneider-electric.com for more precise information about component dimensions.

Other versions

For control stations with 40 mm/1.57 in. between 2 holes, please visit the Harmony XALG page at www.schneider-electric.com.

X	
XALG01	5
XALG02	5
XALG03	5
XALG04	5
XALG05	5

Z	
ZBYD06102	5
ZBYD06146	5
ZBYD06147	5
ZBYD06178	5
ZBYD06203	5
ZBYD06204	5
ZBYD06207	5
ZBYD06208	5
ZBYD06266	5
ZBYD06303	5
ZBYD06304	5
ZBYD06311	5
ZBYD06326	5
ZBYD06364	5
ZBYD06367	5
ZBZ110	5

Harmony Innovation



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