

Selector switch, Harmony XB5, plastic, black, 22mm, 2 positions, stay put, 1NO+1NC

XB5AD25

Main

Range of product	Harmony XB5	
Product or component type	Selector switch	
Device short name	XB5	
Bezel material	Dark grey plastic	
Head type	Standard	
Mounting diameter	22.5 mm	
Sale per indivisible quantity	1	
Shape of signaling unit head	Round	
Type of operator	stay put	
Operator profile	Black standard handle	
Operator position information	2 positions 90°	
Contacts type and composition	1 NO + 1 NC	
Contact operation	Slow-break	
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to IEC 60947-1 Screw clamp terminals, >= 1 x 0.22 mm² without cable end conforming to IEC 60947-1	

Complementary

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Height	42 mm	
Width	30 mm	
Depth	70 mm	
Terminals description ISO n°1	(13-14)NO	
Product weight	0.043 kg	
Resistance to high pressure washer	7000000 Pa at 55 °C, distance : 0.1 m	
Contacts usage	Standard contacts	
Positive opening	With conforming to IEC 60947-5-1 appendix K	
Torque value	0.14 N.m NO changing electrical state	
Mechanical durability	1000000 cycles	
Tightening torque	0.81.2 N.m conforming to IEC 60947-1	
Shape of screw head	Cross compatible with Philips no 1 screwdriver Cross compatible with pozidriv No 1 screwdriver Slotted compatible with flat Ø 4 mm screwdriver Slotted compatible with flat Ø 5.5 mm screwdriver	

Contacts material	Silver alloy (Ag/Ni)		
Short-circuit protection	10 A cartridge fuse type gG conforming to IEC 60947-5-1		
[Ith] conventional free air thermal current	10 A conforming to IEC 60947-5-1		
[Ui] rated insulation voltage	600 V (pollution degree 3) conforming to IEC 60947-1		
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947-1		
[le] rated operational current	3 A at 240 V, AC-15, A600 conforming to IEC 60947-5-1 6 A at 120 V, AC-15, A600 conforming to IEC 60947-5-1 0.1 A at 600 V, DC-13, Q600 conforming to IEC 60947-5-1 0.27 A at 250 V, DC-13, Q600 conforming to IEC 60947-5-1 0.55 A at 125 V, DC-13, Q600 conforming to IEC 60947-5-1 1.2 A at 600 V, AC-15, A600 conforming to IEC 60947-5-1		
Electrical durability	1000000 cycles, AC-15, 2 A at 230 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 1000000 cycles, AC-15, 3 A at 120 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 1000000 cycles, AC-15, 4 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 1000000 cycles, DC-13, 0.2 A at 110 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 1000000 cycles, DC-13, 0.5 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C		
Electrical reliability	Λ < 10exp(-6) at 5 V, 1 mA in clean environment conforming to IEC 60947-5-4 Λ < 10exp(-8) at 17 V, 5 mA in clean environment conforming to IEC 60947-5-4		
Device presentation	Complete product		
Environment			
Protective treatment	тн		
Ambient air temperature for storage	-4070 °C		
Ambient air temperature for operation	-4070 °C		
Electrical shock protection class	Class II conforming to IEC 60536		
IP degree of protection	IP67 conforming to IEC 60529 IP69		

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Ambient air temperature for operation	-4070 °C				
Electrical shock protection class	S Class II conforming to IEC 60536				
IP degree of protection	IP67 conforming to IEC 60529 IP69 IP69K				
NEMA degree of protection	NEMA 13 NEMA 4X				
IK degree of protection	IK04 conforming to IEC 50102				
Standards	CSA C22.2 No 14 IEC 60947-5-1 UL 508 IEC 60947-5-4 IEC 60947-1 JIS C8201-5-1 JIS C8201-1				
Product certifications	BV UL CSA DNV LROS (Lloyds register of shipping)				
Vibration resistance	5 gn (f= 2500 Hz) conforming to IEC 60068-2-6				
Shock resistance	30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27 50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27				

Packing Units

Unit Type of Package 1 PCE

Number of Units in Package 1	1
Package 1 Height	9.0 cm
Package 1 Width	5.4 cm
Package 1 Length	8.7 cm
Package 1 Weight	51.0 g
Unit Type of Package 2	S03
Number of Units in Package 2	150
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	8.192 kg

Contractual warranty

Warranty 18 months



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

☑ Environmental footprint	
Total lifecycle Carbon footprint	1
Environmental Disclosure	Product Environmental Profile

Use Better

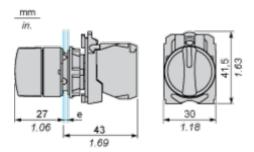
Materials and Substances	
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
REACh Regulation	REACh Declaration
California proposition 65	WARNING: This product can expose you to chemicals including: Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Use Again

○ Repack and remanufacture	
End of life manual availability	End of Life Information
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Dimensions Drawings

Dimensions

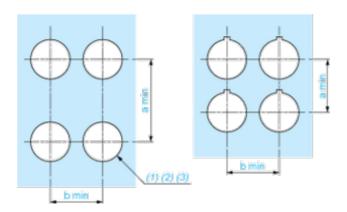


 $\boldsymbol{e}\text{:}$ clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.

Mounting and Clearance

Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for

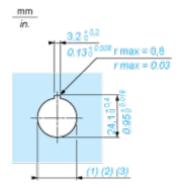
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (1) Diameter on finished panel or support
- (2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.
- (3) Ø22.5 mm recommended (Ø22.3 $_0^{+0.4}$) / Ø0.89 in. recommended (Ø0.88 in. $_0^{+0.016}$)

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Connections	a in mm	a in in.	b in mm	b in in.
By screw clamp terminals or plug-in connector	40	1.57	30	1.18
By Faston connectors	45	1.77	32	1.26
On printed circuit board	30	1.18	30	1.18

Detail of Lug Recess



- (1) Diameter on finished panel or support
- (2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended. (3) \emptyset 22.5 mm recommended (\emptyset 22.3 $_0^{+0.4}$) / \emptyset 0.89 in. recommended (\emptyset 0.88 in. $_0^{+0.016}$)

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Technical Illustration

Dimensions

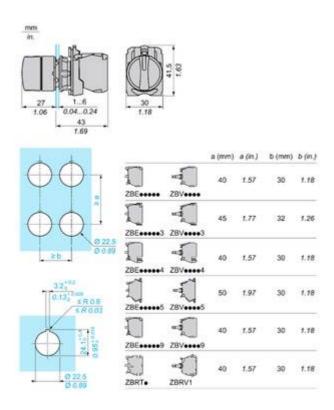


Image of product / Alternate images

Alternative













Image of product in real life situation

