

Selector switch flush mounted, Harmony XB5, plastic, black, 30mm, 2 positions, spring return right to left, 1 NO

XB5FD41

Main

Range of product	Harmony XB5			
Product or component type	Selector switch			
Device short name	XB5F			
Bezel material	Dark grey plastic			
Head type	Built-in-flush			
Mounting diameter	30.5 mm			
Sale per indivisible quantity	1			
Shape of signaling unit head	Round			
Type of operator	Right to left spring return			
Operator profile	Black standard handle, unmarked			
Operator position information	2 positions 90°			
Contacts type and composition	1 NO			
Contact operation	Slow-break			
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm ² with cable end conforming to IEC 60947-1 Screw clamp terminals, >= 1 x 0.22 mm ² without cable end conforming to IEC 60947-1			

Complementary

Height	42 mm				
Width	36.6 mm				
Depth	73 mm				
Terminals description ISO n°1	(13-14)NO				
Resistance to high pressure washer	7000000 Pa at 55 °C, distance : 0.1 m				
Contacts usage	Standard contacts				
Positive opening	Without				
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 1.2 A at 600 V, AC-15, A600 conforming to IEC 60947-5-1 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 durability						
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	IP66 conforming to IEC 60529 IP67 IP69 IP69K					
NEMA degree of protection	NEMA 13 NEMA 4X					
IK degree of protection	IK03 conforming to IEC 50102					
Standards	IEC 60947-1 UL 508 JIS C8201-5-1 IEC 60947-5-4 IEC 60947-5-1 CSA C22.2 No 14 JIS C8201-1 ISO 21702 ISO 22196:2011					
Product certifications	UL listed CSA					
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					

5.334 cm

Package 1 Height

Package 1 Width	4.572 cm
Package 1 Length	9.144 cm
Package 1 Weight	49 895 a

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

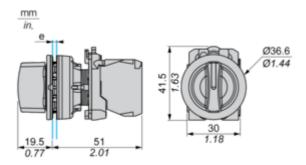
Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
REACh Regulation	REACh Declaration
California proposition 65	WARNING: This product can expose you to chemicals including: 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



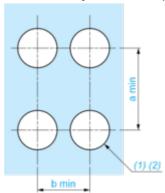
e: Clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.

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Mounting and Clearance

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

Connection by Screw Clamp Terminals or Plug-in Connectors



(1) Diameter on finished panel or support

(2) Ø30.75 mm recommended (Ø30.5 $_0^{+0.5}$) / Ø1.21 in. recommended (Ø1.20 in. $_0^{+0.0196}$)

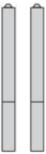
· ·				•
Connections	a in mm	a in in.	b in mm	b in in.
By screw clamp terminals or plug-in connector	40	1.57	40	1.57
By Faston connectors	45	1.77	40	1.57

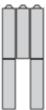
Product data sheet

XB5FD41

Technical Description





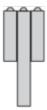




Product data sheet

XB5FD41





Product data sheet

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Electrical Composition Corresponding to Codes C9, C11, SF1 and SR1



1 N/O



1 N/C



1 N/O + N/C or 1 N/O + N/O or 1 N/C + N/C



Legend

Single contact



Double contact



Light block



Possible location



XB5FD41

Sequence of Contacts Fitted to 2-position Selector Switch Body

Position 315°



Push	Position	Тор				
		Bottom			\triangle	
	Location		Left	Centre	Right	
	State		0	0	0	
Contacts	N/O		open	open	open	
	N/C		closed	closed	closed	

Position 45°



Push		Тор			
	Position	Bottom			
	Location		Left	Centre	Right
	State		1	1	1
Contacts	N/O		closed	closed	closed
	N/C		open	open	open

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Technical Illustration

Dimensions

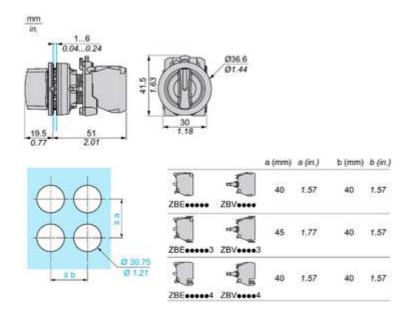


Image of product / Alternate images

Alternative













Image of product in real life situation

