Specifications





Antimicrobial Selector switch flush mounted, Harmony XB5, plastic, black, 30mm, 3 positions, stay put, 2 NO

XB5FD33

#### 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 diamete	1.2 in (30.5 mm)			
Sale per indivisible quantity	1			
Shape of signaling unit head	Round			
Type of operator	stay put			
Operator profile	Black standard handle, unmarked			
Operator position information	3 positions +/- 45°			
Contacts type and composition	2 NO			
Contact operation	Slow-break			
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end IEC 60947-1 Screw clamp terminals, >= 1 x 0.22 mm² without cable end IEC 60947-1			

## Complementary

Height	1.7 in (42 mm)			
Width	1.4 in (36.6 mm)			
Depth	2.9 in (73 mm)			
Terminals description ISO n°1	(13-14)NO (23-24)NO			
Resistance to high pressure washer	1015.3 psi (7000000 Pa) 131 °F (55 °C) 0.1 m			
Contacts usage	Standard contacts			
Positive opening	Without			
Mechanical durability	1000000 cycles			
Tightening torque	7.0810.6 lbf.in (0.81.2 N.m) IEC 60947-1			
Shape of screw head	Cross Philips no 1 Cross pozidriv No 1 Slotted flat Ø 4 mm Slotted flat Ø 5.5 mm			
Contacts material	Silver alloy (Ag/Ni)			
Short-circuit protection	10 A cartridge fuse gG IEC 60947-5-1			

[Ith] conventional free air thermal current	10 A IEC 60947-5-1				
[Ui] rated insulation voltage	600 V 3)IEC 60947-1				
[Uimp] rated impulse withstand voltage	6 kV IEC 60947-1				
[le] rated operational current	3 A 240 V, AC-15, A600 IEC 60947-5-1 6 A 120 V, AC-15, A600 IEC 60947-5-1 0.1 A 600 V, DC-13, Q600 IEC 60947-5-1 0.27 A 250 V, DC-13, Q600 IEC 60947-5-1 0.55 A 125 V, DC-13, Q600 IEC 60947-5-1 1.2 A 600 V, AC-15, A600 IEC 60947-5-1				
Electrical durability	1000000 cycles, AC-15, 2 A 230 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C 1000000 cycles, AC-15, 3 A 120 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C 1000000 cycles, AC-15, 4 A 24 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C 1000000 cycles, DC-13, 0.2 A 110 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C 1000000 cycles, DC-13, 0.5 A 24 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C				
Electrical reliability	$\Lambda$ < 10exp(-6) 5 V, 1 mA in clean environment IEC 60947-5-4 $\Lambda$ < 10exp(-8) 17 V, 5 mA in clean environment IEC 60947-5-4				
device presentation	Complete product				

# **Environment**

protective treatment	тн				
Ambient air temperature for storage	-40158 °F (-4070 °C)				
Ambient air temperature for operation	-40158 °F (-4070 °C)				
Electrical shock protection class	S Class II IEC 60536				
IP degree of protection	IP66 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 2500 Hz)IEC 60068-2-6				
Shock resistance	30 gn 18 ms) half sine wave acceleration IEC 60068-2-27 50 gn 11 ms) half sine wave acceleration IEC 60068-2-27				

# **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.4 in (8.6 cm)
Package 1 Width	1.7 in (4.3 cm)
Package 1 Length	2.09 in (5.3 cm)
Package 1 Weight	2.0 oz (56 g)

Unit Type of Package 2	\$03		
Number of Units in Package 2	120		
Package 2 Height	11.8 in (30 cm)		
Package 2 Width	11.8 in (30 cm)		
Package 2 Length	15.7 in (40 cm)		
Package 2 Weight	17.181 lb(US) (7.793 kg)		

## **Contractual warranty**

Warranty 18 months



**Green Premium**<sup>TM</sup> **label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

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Transparency RoHS/REACh

#### Well-being performance

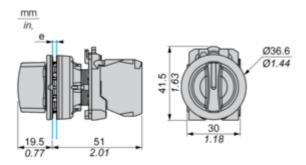
<b>⊘</b>	Reach Free Of Svhc	
<b>⊘</b>	Toxic Heavy Metal Free	
<b>⊘</b>	Mercury Free	
<b>⊘</b>	Rohs Exemption Information	Yes

#### **Certifications & Standards**

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information

#### **Dimensions Drawings**

#### **Dimensions**



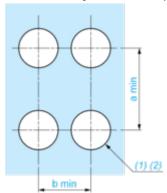
e: Clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.

#### XB5FD33

#### 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.  $_0^{+0.0196}$ )

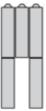
· ·				•
Connections	a in mm	a in in.	b in mm	b in in.
By screw clamp terminals or plug-in connector	40	1.57	40	1.57
By Faston connectors	45	1.77	40	1.57

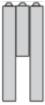
XB5FD33

**Technical Description** 

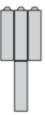


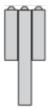






#### XB5FD33





#### XB5FD33

**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



#### XB5FD33

#### Sequence of Contacts Fitted to 2-position Selector Switch Body

#### Position 315°



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

#### Position 45°



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