



Selector switch, Harmony XB4, metal, black, 22mm, 3 positions, spring spring return, 2NO

XB4BD53

Main

Range of product	Harmony XB4			
Product or component type	Selector switch			
Device short name	XB4			
Bezel material	Chromium plated metal			
Fixing collar material	Zamak			
Mounting diameter	22.5 mm			
Sale per indivisible quantity	1			
Head type	Standard			
Shape of signaling unit head	nead Round			
Type of operator	To centre spring return			
Operator profile	Black standard handle			
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 conforming to IE Screw clamp terminals, >= 1 x 0.22 mm² without cable end conforming to 60947-1				

Complementary

Height	47 mm		
Width	30 mm		
Depth	68 mm		
Terminals description ISO n°1	(13-14)NO (23-24)NO		
Net weight	0.105 kg		
Resistance to high pressure washer	7000000 Pa at 55 °C, distance : 0.1 m		
Contacts usage	Standard contacts		
Positive opening	Without		
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 scrawdriver		
onape of screw nead	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		
	Cloude Company of the first of		
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 EN 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 EN 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 EN 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 EN 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 EN 60947-5-1 appendix C		
Electrical reliability	Λ < 10exp(-6) at 5 V and 1 mA in clean environment conforming to IEC 60947-5-4		
	Λ < 10exp(-8) at 17 V and 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		
Overvoltage category	Class I conforming to IEC 60536		

Protective treatment	тн			
Ambient air temperature for storage	-4070 °C			
Ambient air temperature for operation	-4070 °C			
Overvoltage category	Class I conforming to IEC 60536			
IP degree of protection	IP69 IP69K IP67 conforming to IEC 60529			
NEMA degree of protection	NEMA 13 NEMA 4X			
Standards	IEC 60947-5-5 UL 508 IEC 60947-5-1 CSA C22.2 No 14 JIS C8201-5-1 IEC 60947-1 IEC 60947-5-4 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	3.200 cm
Package 1 Width	5.400 cm
Package 1 Length	8.200 cm
Package 1 Weight	104.000 g
Unit Type of Package 2	BB1
Number of Units in Package 2	5
Package 2 Height	8.800 cm
Package 2 Width	3.400 cm
Package 2 Length	26.000 cm
Package 2 Weight	520.000 g
Unit Type of Package 3	S03
Number of Units in Package 3	100
Package 3 Height	30.000 cm
Package 3 Width	30.000 cm
Package 3 Length	40.000 cm
Package 3 Weight	10.900 kg

Contractual warranty

Warranty 18 months



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Transparency RoHS/REACh

Well-being performance

Ø	Reach Free Of Svhc	
⊘	Toxic Heavy Metal Free	
⊘	Mercury Free	
⊘	Rohs Exemption Information	Yes

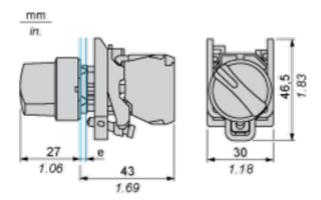
Certifications & Standards

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		

XB4BD53

Dimensions Drawings

Dimensions



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

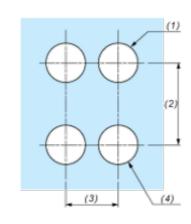
XB4BD53

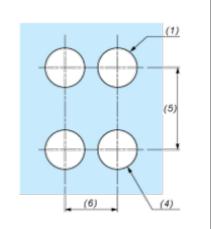
Mounting and Clearance

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

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

Connection by Faston Connectors



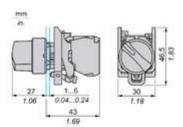


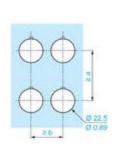
- (1) Diameter on finished panel or support
- (2) 40 mm min. / 1.57 in. min.
- (3) 30 mm min. / 1.18 in. min.
- (4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm $_0^{+0.4}$ / 0.88 in. $_0^{+0.016}$)
- (5) 45 mm min. / 1.78 in. min.
- (6) 32 mm min. / 1.26 in. min.

XB4BD53

Technical Illustration

Dimensions





		a (mm)	a (in.)	p (mm)	b (m.)
ZBE•••••	ZBV	40	1.57	30	1.18
ZBE3	ZBV••••3	45	1.77	32	1.26
ZBE*****	ZBV	40	1,57	30	1.18
ZBE5	ZBV5	50	1.97	30	1.18
ZBE9	ZBV••••9	40	1.57	30	1.18
€) ZBRT•	ZBRV1	40	1.57	30	1,18

Offer Marketing Illustration

Product benefits / Features



Offer Marketing Illustration

Product benefits / Features

Technical Benefits

Harmony XB4



Image of product / Alternate images

Alternative









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