

Product data sheet

Specifications



Selector switch, Harmony XB4, metal, black, 22mm, 3 positions, spring return, 1NO

XB4BD41

Product availability: Stock - Normally stocked in distribution facility

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	0.9 in (22.5 mm)
Sale per indivisible quantity	1
Head type	Standard
Shape of signaling unit head	Round
Type of operator	Right to left spring return
Operator profile	Black standard handle
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 IEC 60947-1 Screw clamp terminals, >= 1 x 0.22 mm ² without cable end IEC 60947-1

Complementary

Height	1.9 in (47 mm)
Width	1.2 in (30 mm)
Depth	2.7 in (68 mm)
Terminals description ISO n°1	(13-14)NO
Net Weight	0.231 lb(US) (0.105 kg)
Resistance to high pressure washer	1015.3 psi (7000000 Pa) 131 °F (55 °C) 0.1 m
Contacts usage	Standard contacts
Positive opening	Without
Torque value	1.24 lbf.in (0.14 N.m) NO changing electrical state
Mechanical durability	1000000 cycles
Tightening torque	7.08...10.6 lbf.in (0.8...1.2 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

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Contacts material	Silver alloy (Ag/Ni)
Short-circuit protection	10 A cartridge fuse gG IEC 60947-5-1
[I_{th}] conventional free air thermal current	10 A IEC 60947-5-1
[U_i] rated insulation voltage	600 V 3)IEC 60947-1
[U_{imp}] rated impulse withstand voltage	6 kV IEC 60947-1
[I_e] 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 EN 60947-5-1 appendix C 1000000 cycles, AC-15, 3 A 120 V 3600 cyc/h 0.5 EN 60947-5-1 appendix C 1000000 cycles, AC-15, 4 A 24 V 3600 cyc/h 0.5 EN 60947-5-1 appendix C 1000000 cycles, DC-13, 0.2 A 110 V 3600 cyc/h 0.5 EN 60947-5-1 appendix C 1000000 cycles, DC-13, 0.5 A 24 V 3600 cyc/h 0.5 EN 60947-5-1 appendix C
Electrical reliability	$\Lambda < 10^{\exp(-6)}$ 5 V 1 mA in clean environment IEC 60947-5-4 $\Lambda < 10^{\exp(-8)}$ 17 V 5 mA in clean environment IEC 60947-5-4
Device presentation	Complete product

Environment

Protective treatment	TH
Ambient Air Temperature for Storage	-40...158 °F (-40...70 °C)
Ambient air temperature for operation	-40...158 °F (-40...70 °C)
Overvoltage category	Class I conforming to IEC 60536
IP degree of protection	IP69 IP69K IP67 IEC 60529
NEMA degree of protection	NEMA 13 NEMA 4X
Standards	IEC 60947-1 CSA C22.2 No 14 IEC 60947-5-1 UL 508 IEC 60947-5-4 JIS C8201-5-1 IEC 60947-5-5 JIS C8201-1
Product Certifications	DNV BV LROS (Lloyds register of shipping) CSA UL
Vibration resistance	5 gn (f= 2...500 Hz) conforming to 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

Ordering and shipping details

Category	US10CS222468
Discount Schedule	0CS2
GTIN	3389118124714
Returnability	Yes
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.42 in (3.6 cm)
Package 1 Width	2.13 in (5.4 cm)
Package 1 Length	3.54 in (9 cm)
Package weight(Lbs)	3.6 oz (102 g)
Unit Type of Package 2	S03
Number of Units in Package 2	100
Package 2 Height	11.81 in (30 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	23.285 lb(US) (10.562 kg)

Contractual warranty

Warranty	18 months
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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

Carbon footprint (kg CO2 eq, Total Life cycle) **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

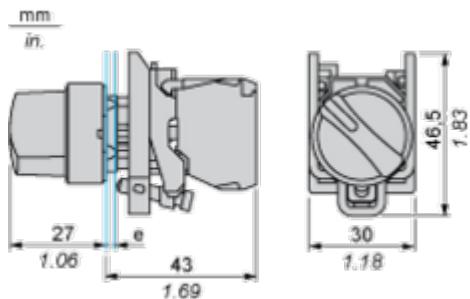
Circularity Profile [End of Life Information](#)

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.

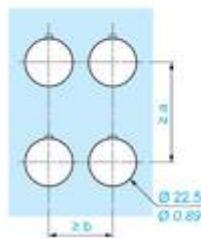
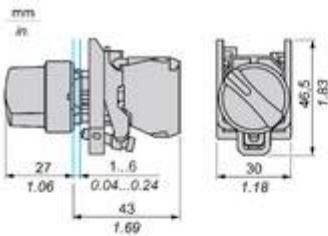
Mounting and Clearance

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
 <p>(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 $^{+0.4}$ / 0.88 in. $^{+0.016}$) (5) 45 mm min. / 1.78 in. min. (6) 32 mm min. / 1.26 in. min.</p>	 <p>(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 $^{+0.4}$ / 0.88 in. $^{+0.016}$) (5) 45 mm min. / 1.78 in. min. (6) 32 mm min. / 1.26 in. min.</p>

Technical Illustration

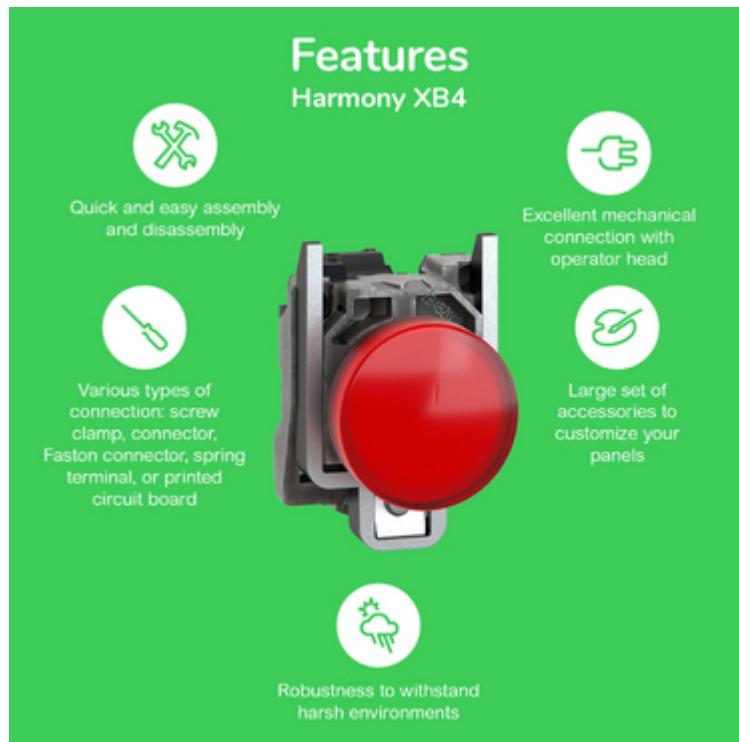
Dimensions



	a (mm)	a (in.)	b (mm)	b (in.)
ZBE***** ZBV*****	40	1.57	30	1.18
ZBE*****3 ZBV*****3	45	1.77	32	1.26
ZBE*****4 ZBV*****4	40	1.57	30	1.18
ZBE*****5 ZBV*****5	50	1.97	30	1.18
ZBE*****9 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

Conformity with IEC, UL, CSA, CCC EAC, and JIS standards, as well as CE marking and marine approvals

Up to IP66, 67, 69, 69K, and type 4X protection ratings

High vibration resistance with shake-proof terminal screws

Operating temperature from -40°C to 70°C

Shock protection level up to IK06

Secure switching of inductive or heavy DC loads directly – 100 000 operations at 10A, 24V dc



Image of product / Alternate images

Alternative





