# **Product data sheet**

Specification





Harmony, 22mm Push Button, XB4B operators, contact block, with mounting collar, 1 NC, screw clamp terminal

ZB4BZ102

Product availability: Stock - Normally stocked in distribution facility

Price\*: 22.00 USD

#### Main

Range Of Product	Harmony XB4	
Product Or Component Type	Complete body/contact assembly	
Device Short Name	ZB4	
Fixing Collar Material	Zamak	
Sale Per Indivisible Quantity	1	
Head Type	Standard	
Contacts Type And Composition	1 NC	
Contact Operation	Slow-break	
Contact Block Type	Single	
Device Composition	Body Fixing collar	
Connections - Terminals	Screw clamp terminals, <= 2 x 1.5 mm <sup>2</sup> with cable end IEC 60947-1 Screw clamp terminals, >= 1 x 0.22 mm <sup>2</sup> without cable end IEC 60947-1	

#### Complementary

Cad Overall Width	1.18 in (30 mm)
Cad Overall Height	1.85 in (47 mm)
Cad Overall Depth	1.46 in (37 mm)
Terminals Description Iso N°1	(11-12)NC
Net Weight	0.12 lb(US) (0.053 kg)
Contacts Usage	Standard contacts
Positive Opening	With IEC 60947-5-1 appendix K
Operating Travel	0.06 in (1.5 mm) NC changing electrical state) 0.17 in (4.3 mm) total travel)
Operating Force	2 N NC changing electrical state
Mechanical Durability	5000000 cycles
Tightening Torque	7.0810.62 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)

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

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	10000000 cycles, AC-15, 2 A 230 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C 10000000 cycles, AC-15, 3 A 120 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C 10000000 cycles, AC-15, 4 A 24 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C 10000000 cycles, DC-13, 0.2 A 110 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C 10000000 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	Basic sub-assemblies	

#### **Environment**

Protective Treatment	тн
Ambient Air Temperature For Storage	-40158 °F (-4070 °C)
Ambient Air Temperature For Operation	-40158 °F (-4070 °C)
Ip Degree Of Protection	IP20 IEC 60529
Standards	CSA C22.2 No 14 IEC 60947-5-5 IEC 60947-5-1 UL 508 JIS C8201-5-1 IEC 60947-1 IEC 60947-5-4 JIS C8201-1
Product Certifications	BV GL CSA LROS (Lloyds register of shipping) UL DNV
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

# Ordering and shipping details

Category	US10CS222469
Discount Schedule	0CS2
Gtin	3389110889383
Returnability	Yes
Country Of Origin	FR

### **Packing Units**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1

Package 1 Height	1.73 in (4.400 cm)
Package 1 Width	1.34 in (3.400 cm)
Package 1 Length	2.13 in (5.400 cm)
Package 1 Weight	1.83 oz (52.000 g)
Unit Type Of Package 2	BB1
Number Of Units In Package 2	5
Package 2 Height	1.73 in (4.400 cm)
Package 2 Width	1.34 in (3.400 cm)
Package 2 Length	10.43 in (26.500 cm)
Package 2 Weight	9.17 oz (260.000 g)
Unit Type Of Package 3	S03
Number Of Units In Package 3	200
Package 3 Height	11.81 in (30.000 cm)
Package 3 Width	11.81 in (30.000 cm)
Package 3 Length	15.75 in (40.000 cm)
Package 3 Weight	24.07 lb(US) (10.920 kg)

### **Contractual warranty**

Warranty 18 months

### Sustainability Screen Premium

**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.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

#### Well-being performance

<b>Ø</b>	Reach Free Of Svhc	
	Toxic Heavy Metal Free	
	Mercury Free	
<b>9</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
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

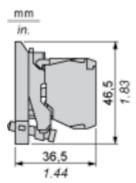
Mar 7, 2024

# Product data sheet

### **ZB4BZ102**

**Dimensions Drawings** 

#### **Dimensions**



#### **ZB4BZ102**

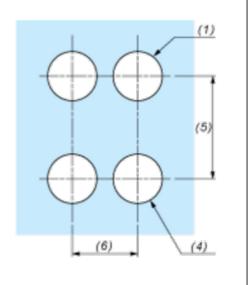
#### Mounting and Clearance

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

**Connectors or on Printed Circuit Board** (1)(2)

Connection by Screw Clamp Terminals or Plug-in

**Connection by Faston Connectors** 



(1) Diameter on finished panel or support

(3)

- (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.  $_0^{+0.016}$ )

(4)

- (5) 45 mm min. / 1.78 in. min.
- (6) 32 mm min. / 1.26 in. min.