

Harmony, 22mm Push Button, XB4B operators, contact block, with mounting collar, 2 NC, screw clamp terminal

ZB4BZ104

Product availability: Stock - Normally stocked in distribution facility

#### 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	2 NC				
Contact operation	Slow-break				
Contact block type	Single				
Device Composition	Body Fixing collar				
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

<u> </u>				
CAD overall width	1.2 in (30 mm)			
CAD overall height	1.9 in (47 mm)			
CAD overall depth	1.5 in (37 mm)			
Terminals description ISO n°1	(11-12)NC			
Net Weight	0.137 lb(US) (0.062 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) 0.2 in (4.3 mm) total travel)			
Mechanical durability	5000000 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			

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

[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	Λ < 10exp(-6) 5 V, 1 mA in clean environment IEC 60947-5-4 Λ < 10exp(-8) 17 V, 5 mA in clean environment IEC 60947-5-4			
Device presentation	Basic sub-assemblies			

### **Environment**

Protective treatment	TH			
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	JIS C8201-5-1 IEC 60947-5-4 IEC 60947-5-1 UL 508 CSA C22.2 No 14 IEC 60947-5-5 IEC 60947-1 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 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	3389110889406
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	2.152 oz (61.000 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	10.758 oz (305.000 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	27.988 lb(US) (12.695 kg)	

## **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	
Carbon footprint (kg CO2 eq, Total Life cycle)	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: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

#### **Use Again**

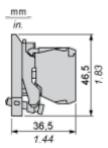
○ Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

# Product data sheet

### **ZB4BZ104**

### **Dimensions Drawings**

#### **Dimensions**

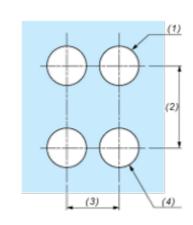


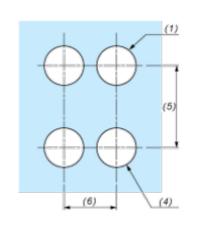
#### Mounting and Clearance

# 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** 

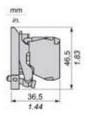


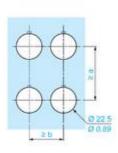


- (1) Diameter on finished panel or support
- (2) 40 mm min. / 1.57 in. min.
- (3) 30 mm min. / 1.18 in. min.
- (4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm  $_0^{+0.4}$  / 0.88 in.  $_0^{+0.016}$ )
- (5) 45 mm min. / 1.78 in. min.
- (6) 32 mm min. / 1.26 in. min.

### **Technical Illustration**

#### **Dimensions**





		a (mm)	a (in.)	b (mm)	b (in.)
ZBE	ZBV	40	1.57	30	1.18
ZBE3	ZBV••••3	45	1.77	32	1.26
ZBE•••••4	ZBV••••4		1.57	30	1.18
ZBE5	ZBV5	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**

## **Technical Benefits**

#### Harmony XB4



#### Offer Marketing Illustration

#### **Product benefits / Features**



Image of product / Alternate images

#### **Alternative**







