

## ZBE302

Contact block, Harmony XB4, Harmony XB5, single contact, silver alloy, screw clamp terminal, 1NC with monitoring contact



### Main

Range of Product	Harmony XB4 Harmony XB5
Product or Component Type	Contact block
Device short name	ZBE
Sale per indivisible quantity	5
IP degree of protection	IP20 IEC 60529
Contact operation	Slow-break
Contact block type	Single
Contacts usage	Monitoring contact
Connections - terminals	Screw clamp terminals, $\leq 2 \times 1.5 \text{ mm}^2$ with cable end IEC 60947-1 Screw clamp terminals, $\geq 1 \times 0.34 \text{ mm}^2$ without cable end IEC 60947-1

### Complementary

CAD overall width	0.39 in (10 mm)
CAD overall height	1.61 in (41 mm)
CAD overall depth	1.02 in (26 mm)
Net Weight	0.03 lb(US) (0.013 kg)
Contacts type and composition	1 NC monitoring contact
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	5 N NC changing electrical state
Mechanical durability	300000 cycles
Tightening torque	7.08...10.62 lbf.in (0.8...1.2 N.m) IEC 60947-1
Shape of screw head	Cross pozidriv No 1 Slotted flat $\varnothing$ 4 mm Slotted flat $\varnothing$ 5.5 mm
Contacts material	Silver alloy (Ag/Ni)
Short-circuit protection	6 A cartridge fuse gG IEC 60947-5-1
[I <sub>th</sub> ] conventional free air thermal current	6 A IEC 60947-5-1
[U <sub>i</sub> ] rated insulation voltage	300 V 3)IEC 60947-1
[U <sub>imp</sub> ] rated impulse withstand voltage	4 kV IEC 60947-1
[I <sub>e</sub> ] rated operational current	1.5 A 240 V, AC-15, B300 IEC 60947-5-1 3 A 120 V, AC-15, B300 IEC 60947-5-1 0.11 A 250 V, DC-13, R300 IEC 60947-5-1 0.22 A 125 V, DC-13, R300 IEC 60947-5-1
Electrical durability	300000 Cycles, AC-15, 2 A 230 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C 300000 Cycles, AC-15, 3 A 110 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C 300000 Cycles, AC-15, 3 A 24 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C 300000 Cycles, DC-13, 0.3 A 120 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C 300000 cycles, DC-13, 1 A 24 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C
Electrical reliability	$\Lambda < 10\text{exp}(-7)$ 5 V 1 mA in clean environment IEC 60947-5-4 $\Lambda < 10\text{exp}(-8)$ 17 V 3.4 mA in clean environment IEC 60947-5-4
Mounting of block	Front mounting
Device presentation	Basic element

## 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)
Standards	IEC 60947-1 IEC 60947-5-1 IEC 60947-5-4 UL 60947-5-1 CSA C22.2 No 60947-5-1 JIS C8201-1 JIS C8201-5-1 GB/T 14048.5 BS EN 60947-5-1 GOST IEC 60947-5-1
Product Certifications	CSA[RETURN]EAC[RETURN]BV[RETURN]DNV[RETURN]CE[RETURN]LROS (Lloyds register of shipping)[RETURN]CCC[RETURN]UL Listed[RETURN]CB Scheme[RETURN]UKCA
Vibration resistance	5 gn 10...500 Hz)IEC 60068-2-6 25 mm peak to peak 2...10 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 25 gn 6 ms) 1000 shocks on each axis IEC 60068-2-27

## Ordering and shipping details

Category	22469-PUSHBUTTON,22MM ACCESSORIES-NEW
Discount Schedule	CS2
GTIN	3606482035027
Returnability	Yes

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	0.55 in (1.4 cm)
Package 1 Width	1.30 in (3.3 cm)
Package 1 Length	1.65 in (4.2 cm)
Package 1 Weight	0.46 oz (13 g)
Unit Type of Package 2	BB1
Number of Units in Package 2	5
Package 2 Height	1.69 in (4.3 cm)
Package 2 Width	2.09 in (5.3 cm)
Package 2 Length	2.28 in (5.8 cm)
Package 2 Weight	2.50 oz (71 g)
Unit Type of Package 3	S01
Number of Units in Package 3	210
Package 3 Height	5.91 in (15 cm)
Package 3 Width	5.91 in (15 cm)
Package 3 Length	15.75 in (40 cm)
Package 3 Weight	7.38 lb(US) (3.348 kg)

## Offer Sustainability

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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	 <a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Compliant  <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes

Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
RoHS exemption information	<a href="#">Yes</a>

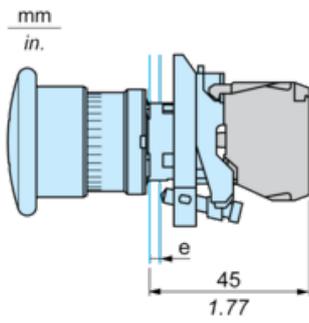
### Contractual warranty

Warranty	18 months
----------	-----------

---

Dimensions

---



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