



## Main

Range of product	Harmony XB5 Harmony XB4
Product or component type	Contact block
Device short name	ZBE
Sale per indivisible quantity	5
IP degree of protection	IP20 IEC 60529
Contacts type and composition	2 NC
Contact operation	Slow-break
Contact block type	Double
Contacts usage	Standard contacts
Connections - terminals	Screw clamp terminals $\leq 2 \times 1.5 \text{ mm}^2$ with cable end EN 60947-1 Screw clamp terminals $\geq 1 \times 0.22 \text{ mm}^2$ without cable end EN 60947-1

## Complementary

Product weight	0.04 lb(US) (0.02 kg)
Positive opening	With EN/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	3.4 N NC changing electrical state
Mechanical durability	10000000 cycles
Tightening torque	7.08...10.62 lbf.in (0.8...1.2 N.m) EN 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 EN/IEC 60947-5-1
[Ith] conventional free air thermal current	10 A EN/IEC 60947-5-1

[Ui] rated insulation voltage	600 V 3 EN 60947-1
[Uimp] rated impulse withstand voltage	6 kV EN 60947-1
[Ie] rated operational current	1.2 A 600 V AC-15 A600 EN/IEC 60947-5-1 0.27 A 250 V DC-13 Q600 EN/IEC 60947-5-1 0.1 A 600 V DC-13 Q600 EN/IEC 60947-5-1 3 A 240 V AC-15 A600 EN/IEC 60947-5-1 0.55 A 125 V DC-13 Q600 EN/IEC 60947-5-1 6 A 120 V AC-15 A600 EN/IEC 60947-5-1
Electrical durability	1000000 cycles AC-15 1 A 230 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C 1000000 cycles AC-15 1.5 A 120 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C 1000000 cycles AC-15 3 A 24 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C 1000000 cycles DC-13 0.15 A 110 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C 1000000 cycles DC-13 0.4 A 24 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C
Electrical reliability	$\Lambda < 10\text{exp}(-8)$ at 17 V, 5 mA in clean environment conforming to EN/IEC 60947-5-4 $\Lambda < 10\text{exp}(-7)$ at 5 V, 1 mA in clean environment conforming to EN/IEC 60947-5-4
Mounting of block	Front mounting
Condition of use	Mounting on push-button collar
Electrical composition code	C2 <= 3 C4 <= 2 C6 <= 2 C8 <= 1 C10 <= 2 C13 <= 3 M2 <= 2 M4 <= 2 M8 <= 2
Compatibility code	ZBE

## 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	JIS C 4520 EN/IEC 60947-1 EN/IEC 60947-5-1 CSA C22.2 No 14 EN/IEC 60947-5-4 UL 508
Product certifications	UL CCC RINA CSA DNV BV GL LROS (Lloyds register of shipping) GOST
Vibration resistance	5 gn 2...500 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	22469 - PUSHBUTTON,22MM ACCESSORIES-NEW
Discount Schedule	CS2
GTIN	00785901355724
Nbr. of units in pkg.	5
Package weight(Lbs)	4.000000000000001E-2
Returnability	Y
Country of origin	FR

## Contractual warranty

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Warranty period	18 months
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