

PRESSURE SWITCH

ZBE101 SWITCH



Product data sheet

Characteristics

ZBE101

single contact block for head Ø22 1NO screw clamp terminal



Main

Commercial Status	Commercialised
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 conforming to IEC 60529
Contacts type and composition	1 NO
Contacts operation	Slow-break
Contact block type	Single
Contacts usage	Standard contacts
Connections - terminals	Screw clamp terminals: $\geq 1 \times 0.22 \text{ mm}^2$ without cable end conforming to EN 60947-1 Screw clamp terminals: $\leq 2 \times 1.5 \text{ mm}^2$ with cable end conforming to EN 60947-1

Complementary

Terminals description ISO n°1	(13-14)NO
Product weight	0.011 kg
Positive opening	Without positive opening
Operating travel	4.3 mm (total travel) 2.6 mm (NO changing electrical state)
Operating force	2.3 N (NO changing electrical state)
Operating torque	0.05 N.m (NO changing electrical state)
Mechanical durability	5000000 cycles
Tightening torque	0.8...1.2 N.m conforming to EN 60947-1
Shape of screw head	Slotted head compatible with flat Ø 5.5 mm screwdriver Slotted head compatible with flat Ø 4 mm screwdriver Cross head compatible with pozidriv No 1 screwdriver Cross head compatible with Philips no 1 screwdriver
Contacts material	Silver alloy (Ag/Ni)
Short circuit protection	10 A cartridge fuse type gG conforming to EN/IEC 60947-5-1
[I _{th}] conventional free air thermal current	10 A conforming to EN/IEC 60947-5-1
[U _i] rated insulation voltage	600 V (degree of pollution: 3) conforming to EN 60947-1
[U _{imp}] rated impulse withstand voltage	6 kV conforming to EN 60947-1
[I _e] rated operational current	1.2 A at 600 V, AC-15, A600 conforming to EN/IEC 60947-5-1 0.55 A at 125 V, DC-13, Q600 conforming to EN/IEC 60947-5-1 0.27 A at 250 V, DC-13, Q600 conforming to EN/IEC 60947-5-1 0.1 A at 600 V, DC-13, Q600 conforming to EN/IEC 60947-5-1 6 A at 120 V, AC-15, A600 conforming to EN/IEC 60947-5-1 3 A at 240 V, AC-15, A600 conforming to EN/IEC 60947-5-1
Electrical durability	1000000 cycles, DC-13, 0.5 A at 24 V, operating rate: 3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C 1000000 cycles, DC-13, 0.2 A at 110 V, operating rate: 3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C 1000000 cycles, AC-15, 4 A at 24 V, operating rate: 3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C 1000000 cycles, AC-15, 3 A at 120 V, operating rate: 3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C 1000000 cycles, AC-15, 2 A at 230 V, operating rate: 3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C

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FIRE PLUMB SUPPLIES

BRISBANE GOLD COAST FABRICATION SHEET METAL

FIREPLUMB.COM.AU 1800 FPS QLD

Electrical reliability IEC 60947-5-4

$\Lambda < 10\text{exp}(-8)$ 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

Additional information

Mounting on pushbutton collar

Environment

Protective treatment

TH

Ambient air temperature for storage

-40...70 °C

Ambient air temperature for operation

-25...70 °C

Standards

CSA C22-2 No 14
 EN/IEC 60947-1
 EN/IEC 60947-5-1
 EN/IEC 60947-5-4
 EN/IEC 60947-5-5
 JIS C 4520
 UL 508

Product certifications

BV
 CCC
 CSA
 DNV
 GL
 GOST
 LROS (Lloyds register of shipping)
 RINA
 UL

Vibration resistance

5 gn (f = 2...500 Hz) conforming to IEC 60068-2-6

Shock resistance

50 gn for 11 ms half sine wave acceleration conforming to IEC 60068-2-27
 30 gn for 18 ms half sine wave acceleration conforming to IEC 60068-2-27