Product datasheet

Specification





Contact block, Harmony XB6, single for head Ø 16 1 NO gold flashed pins for PCB

ZB6E1D

Discontinued on: 19-Jan-2022

! End-of-service on: 03-Jun-2022

① Discontinued

Main

Range Of Product	Harmony XB6
Product Or Component Type	Contact block
Device Short Name	ZB6
Sale Per Indivisible Quantity	10
Contacts Type And Composition	1 NO
Contact Operation	Slow-break
Contact Block Type	Single
Connections - Terminals	Pins for printed circuit board
Contacts Material	Gold flashed (Ag/Ni/Au) contacts

Complementary

Terminals Description Iso N°1	(3-4)NO
Net Weight	0.004 kg
Positive Opening	With conforming to EN/IEC 60947-5-1 appendix K
Operating Travel	2 mm (NO changing electrical state) 3.5 mm (total travel)
Operating Force	1.6 N NO changing electrical state
Mechanical Durability	5000000 cycles
Short-Circuit Protection	6 A cartridge fuse type gG
[Ui] Rated Insulation Voltage	250 V (pollution degree 3) conforming to EN/IEC 60947-1
[Uimp] Rated Impulse Withstand Voltage	4 kV conforming to EN/IEC 60947-1
[le] Rated Operational Current	3 A at 120 V, AC-15, B300 1.5 A at 240 V, AC-15, B300 0.1 A at 250 V, DC-13, R300 0.22 A at 125 V, DC-13, R300
Electrical Durability	1000000 cycles, AC-15 at 230 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C 1000000 cycles, DC-13 at 230 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C
Electrical Reliability	Λ = 10exp(-8) at 5 V and 1 mA with confidence level of 90 % conforming to EN/IEC 60947-5-4

Environment

Protective Treatment TC

Ambient Air Temperature For Storage	-4070 °C
Ambient Air Temperature For Operation	-2570 °C
Ip Degree Of Protection	IP20 conforming to IEC 60529
Standards	CSA C22.2 No 14 EN/IEC 60947-5-1 EN/IEC 60947-1 EN/IEC 60947-5-4 JIS C 852 JIS C 4520 UL 508
Product Certifications	CSA UL CCC GOST
Vibration Resistance	+/- 3 mm (f= 2500 Hz) conforming to IEC 60068-2-6 5 gn (f= 2500 Hz) conforming to IEC 60068-2-6
Shock Resistance	30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27 50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	7 cm
Package 1 Width	2.1 cm
Package 1 Length	6.4 cm
Package 1 Weight	4 g

Contractual warranty

Warranty 18 months



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Transparency RoHS/REACh

Well-being performance

Ø	Reach Free Of Svhc	
	Toxic Heavy Metal Free	
	Mercury Free	
⊘	Rohs Exemption Information	Yes

Certifications & Standards

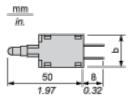
Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information

ZB6E1D

Dimensions Drawings

Body for Pilot Light

Dimensions

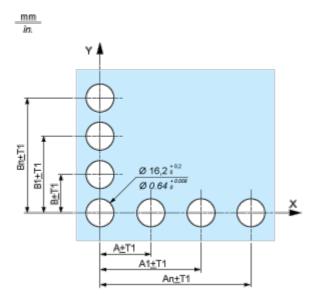


b 13.5 mm/0.53 in.

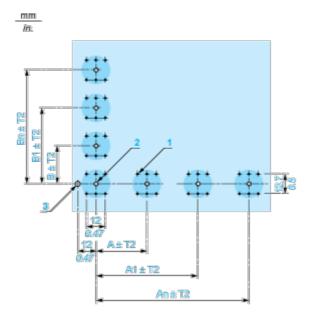
Mounting and Clearance

Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

Front Panel Cut-out (Viewed from Installer's Side)



Printed Circuit Board Drillings (Viewed from Electrical Block Side)



- A 24 mm/0.94 in. minimum for rectangular heads, 18 mm/0.71 in. minimum for square or circular heads
- B 18 mm/0.71 in. minimum
- (1) 6 x Ø 1.1 mm / 6 x Ø 0.04 in. holes.
- (2) $1 \times \emptyset 2.6^{0}_{-0.2}$ mm / $1 \times \emptyset 0.10^{0}_{-0.008}$ in. hole for locating pin, only when using socket adaptor ZB6Y010.
- (3) $1 \times \emptyset \ 3.2^{0}_{-0.2} \ \text{mm} \ / \ 1 \times \emptyset \ 0.13^{0}_{-0.008}$ in. hole for fixing of printed circuit board onto the front panel using body bracket ZB6Y011. This hole must be drilled on the left-hand side, when heads are positioned at the normal angle. Fit a body bracket ZB6Y011 every 72 mm/2.83 in. maximum for cut-outs on 24 mm/0.94 in. centres (rectangular heads) and 54 mm/2.13 in. maximum for cut-outs on 18 mm/0.71 in. centres (square or circular heads).

General tolerances of the panel and printed circuit board: T1, T2: T1 + T2 = 0.3 mm/0.01 in. maximum.

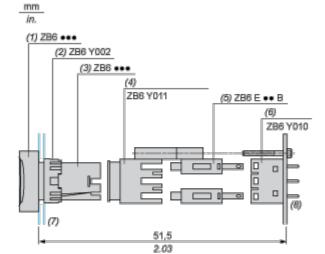
ZB6E1D

Installation precautions:

Thickness of printed circuit board: 1.6 mm/0.06 in. minimum.

Mounting with Body Bracket

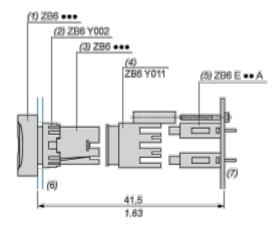
With socket adaptor ZB6Y010



- (1) Head
- (2) Nut
- (3) Body
- (4) Body bracket
- (5) Contact block
- (6) Socket adaptor
- (7) Panel
- (8) Printed circuit

Direct mounting without socket adaptor ZB6Y010





- (1) Head
- (2) Nut
- (3) Body
- (4) Body bracket
- (5) Contact block
- (6) Panel
- (7) Printed circuit