

# ZB6ZB45B

red light block with body/fixing collar with  
integral LED 12...24V 1NO+1NC



## Main

Commercial Status	Commercialised
Range of product	Harmony XB6
Product or component type	Complete body for illuminated pushbutton
Device short name	ZB6
Fixing collar material	Plastic
Sale per indivisible quantity	1
Contacts type and composition	1 NO + 1 NC
Contacts operation	Slow-break
Connections - terminals	Faston connector(2.8 x 0.5 mm)
Light source	LED
Bulb base	Integral LED
Light source colour	Red
[Us] rated supply voltage	12...24 V AC/DC

## Complementary

CAD overall width	24 mm
CAD overall height	18 mm
CAD overall depth	51 mm
Terminals description ISO n°1	(11-12)NC
Product weight	0.009 kg
Contacts usage	Standard
Positive opening	With positive opening conforming to EN/IEC 60947-5-1 appendix K
Operating travel	4.3 mm (total travel) 2 mm (NO changing electrical state) 1 mm (NC changing electrical state)
Operating force	2.5 N (NC changing electrical state) 1.6 N (NO changing electrical state)
Contacts material	Silver alloy (Ag/Ni)
Short circuit protection	6 A cartridge fuse type gG conforming to EN/IEC 60947-5-1
[Ui] rated insulation voltage	250 V (degree of pollution: 3) conforming to EN/IEC 60947-1
[Uimp] rated impulse withstand voltage	4 kV conforming to EN/IEC 60947-1
[Ie] rated operational current	0.22 A at 125 V, DC-13, R300 0.1 A at 250 V, DC-13, R300 1.5 A at 240 V, AC-15, B300 3 A at 120 V, AC-15, B300
Electrical durability	1000000 cycles, DC-15, 2 A at 230 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
Electrical reliability IEC 60947-5-4	$\Lambda = 10\exp(-8)$ at 5 V, 1 mA with confidence level of 90 % conforming to EN/IEC 60947-5-4
Signalling type	Steady
Supply voltage limits	6...30 V AC/DC
Current consumption	15 mA
Surge withstand	2 kV in free air conforming to IEC 61000-4-5 1 kV direct contact conforming to IEC 61000-4-5

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## Environment

Protective treatment	TC
Ambient air temperature for storage	-40...70 °C
Ambient air temperature for operation	-25...70 °C
Class of protection against electric shock	Class II conforming to IEC 61140
Standards	EN/IEC 60947-1 EN/IEC 60947-5-1 EN/IEC 60947-5-5 JIS C 4520 JIS C 852 UL 508 CSA C22.2 No 14
Product certifications	CCC CSA GOST UL
Vibration resistance	5 gn (f = 2...500 Hz) conforming to IEC 60068-2-6 +/- 3 mm (f = 2...500 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27 30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27
Resistance to fast transients	2 kV conforming to IEC 61000-4-4
Resistance to electromagnetic fields	10 V/m conforming to IEC 61000-4-3
Resistance to electrostatic discharge	8 kV in free air (in insulating parts) conforming to IEC 61000-2-6 6 kV on contact (on metal parts) conforming to IEC 61000-2-6
Electromagnetic emission	Class B conforming to IEC 55011