Product data sheet
Characteristics

ZB6ZB42B
Complete body for illuminated push button, Harmony XB6, red light block with body/fixing collar with integral LED 12...24 V 1NC



Main

Range of product	Harmony XB6
Product or component type	Complete body for illuminated push-button
Device short name	ZB6
Fixing collar material	Plastic
Sale per indivisible quantity	1
Contacts type and composition	1 NC
Contact operation	Slow-break
Connections - terminals	Faston connector, connection size: 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
Net weight	0.006 Kg
Contacts usage	Standard
Positive opening	With conforming to EN/IEC 60947-5-1 appendix K
Operating travel	1 Mm (NC changing electrical state) 4.3 Mm (total travel)
Operating force	2.5 N NC 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 (pollution degree 3) conforming to EN/IEC 60947-1
[Uimp] rated impulse withstand voltage	4 KV conforming to EN/IEC 60947-1
[Ie] 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, 2 A at 230 V, operating rate <3600 cyc/h, load factor: 0.5 conforming t 1000000 Cycles, DC-15, 2 A at 230 V, operating rate <3600 cyc/h, load factor: 0.5 conforming
Electrical reliability	Λ = 10exp(-8) at 5 V and 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	1 KV direct contact conforming to IEC 61000-4-5 2 KV in free air conforming to IEC 61000-4-5

Environment

Protective treatment	TC
Ambient air temperature for storage	-40…70 °C
Ambient air temperature for operation	-25…70 °C
Electrical shock protection class	Class II conforming to IEC 61140
Standards	EN/IEC 60947-1 EN/IEC 60947-5-5 CSA C22.2 No 14 JIS C 852 JIS C 4520 EN/IEC 60947-5-1 UL 508
Product certifications	CSA[RETURN]GOST[RETURN]CCC[RETURN]UL
Vibration resistance	+/- 3 mm (f= 2…500 Hz) conforming to IEC 60068-2-6 5 gn (f= 2…500 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
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	6 KV on contact (on metal parts) conforming to IEC 61000-2-6 8 KV in free air (in insulating parts) conforming to IEC 61000-2-6
Electromagnetic emission	Class B conforming to IEC 55011

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.600 Cm
Package 1 Width	4.500 Cm
Package 1 Length	8.100 Cm
Package 1 Weight	10.000 G

Offer Sustainability

Recyclability potential, in %	17
Total lifecycle Carbon footprint	0.6 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	0.2010541719
Carbon footprint of the manufacturing phase [A1 to A3]	0.2 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.0011768929
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.0010146575
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	0.3965891348
Carbon footprint of the use phase [B2, B3, B4, B6]	0.4 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	0.0163288917
Carbon footprint of the end-of-life phase [C1 to C4]	0 kg CO2 eq.
Total lifecycle Carbon footprint	1
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
SCIP Number	7e93e493-8304-40e7-9b39-3ac9fc039df4
EU RoHS Directive	Compliant By Exemption
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and

Contractual warranty

Warranty (in months)	18

Product Life Status :	Commercialised