Product Datasheet

Characteristic

ZB4BW0B61

blue light block with body/fixing collar with integral LED 24V 1NO

Main

range of product	Harmony XB4
product or component type	Complete body/contact assembly and light block
device short name	ZB4
fixing collar material	Zamak
sale per indivisible quantity	1
head type	Standard
contacts type and composition	1 NO
contact operation	Slow-break
connections - terminals	<= 2 x 1.5 mm² Screw clamp terminals With cable end EN 60947-1 >= 1 x 0.22 mm² Screw clamp terminals Without cable end EN 60947-1
light source	Protected LED
bulb base	Integral LED
light block supply	Direct
light source colour	Blue
[Us] rated supply voltage	24 V AC/DC 50/60 Hz

Complementary

CAD overall width	1.18 in (30 mm)
CAD overall height	1.85 in (47 mm)
terminals description ISO n°1	(13-14)NO
Net Weight	0.14 lb(US) (0.064 kg)
contacts usage	Standard
positive opening	Without
operating travel	NO changing electrical state 0.10 in (2.6 mm) Total travel 0.17 in (4.3 mm)
operating force	2.3 N NO changing electrical state
operating torque	0.44 lbf.in (0.05 N.m) NO changing electrical state
mechanical durability	5000000 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	Cartridge fuse 10 A EN/IEC 60947-5-1 GG
[Ith] conventional free air thermal current	EN/IEC 60947-5-1 10 A
[Ui] rated insulation voltage	EN 60947-1 3 600 V
[Uimp] rated impulse withstand voltage	6 kV EN 60947-1
[Ie] rated operational current	240 V 3 A A600 AC-15 EN/IEC 60947-5-1 120 V 6 A A600 AC-15 EN/IEC 60947-5-1 600 V 0.1 A Q600 DC-13 EN/IEC 60947-5-1 250 V 0.27 A Q600 DC-13 EN/IEC 60947-5-1 125 V 0.55 A Q600 DC-13 EN/IEC 60947-5-1 600 V 1.2 A A600 AC-15 EN/IEC 60947-5-1
electrical durability	1000000 cycles 2 A AC-15 3600 cyc/h 230 V EN/IEC 60947-5-1 appendix C 0.5 1000000 cycles 3 A AC-15 3600 cyc/h 120 V EN/IEC 60947-5-1 appendix C 0.5 1000000 cycles 4 A AC-15 3600 cyc/h 24 V EN/IEC 60947-5-1 appendix C 0.5 1000000 cycles 0.2 A DC-13 3600 cyc/h 110 V EN/IEC 60947-5-1 appendix C 0.5 1000000 cycles 0.5 A DC-13 3600 cyc/h 24 V EN/IEC 60947-5-1 appendix C 0.5
electrical reliability	Λ < 10exp(-6) 1 mA 5 V EN/IEC 60947-5-4 In clean environment Λ < 10exp(-8) 5 mA 17 V EN/IEC 60947-5-4 In clean environment
signalling type	Steady
supply voltage limits	19.2…30 V DC 21.6…26.4 V AC
current consumption	18 mA
service life	100000 h at rated voltage and 25 °C
surge withstand	1 kV IEC 61000-4-5
device presentation	Basic sub-assemblies

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)
electrical shock protection class	IEC 60536 Class I
standards	EN/IEC 60947-5-4 JIS C8201-5-1 UL 508 EN/IEC 60947-5-5 EN/IEC 60947-1 CSA C22.2 No 14 EN/IEC 60947-5-1 JIS C8201-1
product certifications	CSA UL Listed DNV BV RINA GL LROS (Lloyds register of shipping)
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
resistance to fast transients	2 kV IEC 61000-4-4
resistance to electromagnetic fields	9.14 V/m (10 V/m) IEC 61000-4-3
resistance to electrostatic discharge	6 kV on contact (on metal parts) IEC 61000-2-6 8 kV in free air (in insulating parts) IEC 61000-2-6
electromagnetic emission	Class B IEC 55011

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	Free of Substances of Very High Concern above the threshold
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	X
Environmental Disclosure	ENVPEP1808008EN
Circularity Profile	ENVEOLI1808008EN
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.