Product data sheet
Characteristics

ZB4BW0B62
blue light block with body/fixing collar with integral LED 24V 1NC



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 NC
Contact operation	Slow-break
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end EN 60947-1 Screw clamp terminals, >= 1 x 0.22 mm² 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	(11-12)NC
Net Weight	0.14 lb(US) (0.064 kg)
Contacts usage	Standard
Positive opening	With EN/IEC 60947-5-1 appendix K
Operating travel	0.06 In (1.5 mm) NC changing electrical state) 0.17 in (4.3 mm) total travel)
Operating force	2 N NC 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	10 A cartridge fuse gG EN/IEC 60947-5-1
[Ith] conventional free air thermal current	10 A EN/IEC 60947-5-1
[Ui] rated insulation voltage	600 V 3)EN 60947-1
[Uimp] rated impulse withstand voltage	6 kV EN 60947-1
[Ie] rated operational current	3 A 240 V, AC-15, A600 EN/IEC 60947-5-1 6 A 120 V, AC-15, A600 EN/IEC 60947-5-1 0.1 A 600 V, DC-13, Q600 EN/IEC 60947-5-1 0.27 A 250 V, DC-13, Q600 EN/IEC 60947-5-1 0.55 A 125 V, DC-13, Q600 EN/IEC 60947-5-1 1.2 A 600 V, AC-15, A600 EN/IEC 60947-5-1

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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Electrical durability	1000000 Cycles, AC-15, 2 A 230 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C 1000000 Cycles, AC-15, 3 A 120 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C 1000000 Cycles, AC-15, 4 A 24 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C 1000000 Cycles, DC-13, 0.2 A 110 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C 1000000 cycles, DC-13, 0.5 A 24 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C
Electrical reliability	Λ < 10exp(-6) 5 V 1 mA in clean environment EN/IEC 60947-5-4 Λ < 10exp(-8) 17 V 5 mA in clean environment EN/IEC 60947-5-4
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	Class I IEC 60536
Standards	UL 508 JIS C8201-5-1 EN/IEC 60947-5-5 EN/IEC 60947-5-1 EN/IEC 60947-1 EN/IEC 60947-5-4 CSA C22.2 No 14 JIS C8201-1
Product certifications	CSA BV UL Listed DNV LROS (Lloyds register of shipping) GL RINA
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

Ordering and shipping details

Category	22469 - PUSHBUTTON,22MM ACCESSORIES-NEW
Discount Schedule	CS2
GTIN	00785901382911
Nbr. of units in pkg.	1
Package weight(Lbs)	0.1 lb(US) (0.05 kg)
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.05 in (5.2 cm)
Package 1 width	2.05 in (5.2 cm)
Package 1 Length	1.26 in (3.2 cm)
Unit Type of Package 2	BB1
Number of Units in Package 2	5
Package 2 Weight	11.11 oz (315 g)

Package 2 Height	2.28 in (5.8 cm)
Package 2 width	10.43 in (26.5 cm)
Package 2 Length	1.34 in (3.4 cm)
Unit Type of Package 3	S03
Number of Units in Package 3	150
Package 3 Weight	22.39 lb(US) (10.157 kg)
Package 3 Height	11.81 in (30 cm)
Package 3 width	11.81 in (30 cm)
Package 3 Length	15.75 in (40 cm)

Offer Sustainability

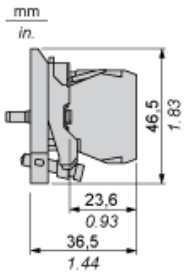
Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Contractual warranty

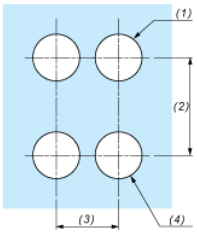
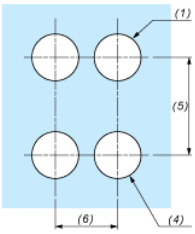
Warranty	18 months

ZB4BW0B62

Dimensions



Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board	Connection by Faston Connectors
	

(1) Diameter on finished panel or support
(2) 40 mm min. / 1.57 in. min.
(3) 30 mm min. / 1.18 in. min.
(4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm $_{0}^{+0.4}$ / 0.88 in. $_{0}^{+0.016}$)
(5) 45 mm min. / 1.78 in. min.
(6) 32 mm min. / 1.26 in. min.