Product datasheet Characteristics

ZB5AW0B45

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



Main

IVIAIII			
Range of product	Harmony XB5		
Product or component type	Complete body/contact assembly and light block		
Device short name	ZB5		
Fixing collar material	Plastic		
Sale per indivisible quantity	1		
Contacts type and composition	1 NO + 1 NC		
Contacts operation	Slow-break		
Connections - terminals	Screw clamp terminals : $<= 2 \times 1.5 \text{ mm}^2 \text{ with cable end conforming to EN } 60947-1$ Screw clamp terminals : $>= 1 \times 0.22 \text{ mm}^2 \text{ without cable end conforming to EN } 60947-1$		
Light source	Protected LED		
Bulb base	Integral LED		
Light block supply	Direct		
Light source colour	Red		

Complementary

		7
CAD overall width	30 mm	
CAD overall height	42 mm	9
CAD overall depth	32 mm	
Terminals description ISO n°1	(13-14)NO (11-12)NC	
Product weight	0.042 kg	
Contacts usage	Standard	Ç
Positive opening	With positive opening conforming to EN/IEC 60947-5-1 appendix K	<u>.</u>
Operating travel	1.5 mm (NC changing electrical state) 2.6 mm (NO changing electrical state) 4.3 mm (total travel)	tanem son
Operating force	2 N (NC changing electrical state) 2.3 N (NO changing electrical state)	E
Operating torque	0.05 N.m (NO changing electrical state)	<u>=</u> . <u>ت</u> <u>ن</u>

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o EN/IEC 60947-5-1
pollution: 3) conforming to EN 60947-1
o EN 60947-1
15, A600 conforming to EN/IEC 60947-5-1 15, A600 conforming to EN/IEC 60947-5-1 C-13, Q600 conforming to EN/IEC 60947-5-1 DC-13, Q600 conforming to EN/IEC 60947-5-1 DC-13, Q600 conforming to EN/IEC 60947-5-1 DC-13, Q600 conforming to EN/IEC 60947-5-1 C-15, A600 conforming to EN/IEC 60947-5-1
AC-15, 2 A at 230 V, operating rate: 3600 cyc/h, load factor: 0.5 conforming to EN/pendix C AC-15, 3 A at 120 V, operating rate: 3600 cyc/h, load factor: 0.5 conforming to EN/pendix C AC-15, 4 A at 24 V, operating rate: 3600 cyc/h, load factor: 0.5 conforming to EN/pendix C AC-13, 0.2 A at 110 V, operating rate: 3600 cyc/h, load factor: 0.5 conforming to I appendix C AC-13, 0.5 A at 24 V, operating rate: 3600 cyc/h, load factor: 0.5 conforming to I appendix C AC-13, 0.5 A at 24 V, operating rate: 3600 cyc/h, load factor: 0.5 conforming to EN/pendix C
V, 1 mA in clean environment conforming to EN/IEC 60947-5-4 7 V, 5 mA in clean environment conforming to EN/IEC 60947-5-4
0 Hz
voltage and 25 °C
DIEC 61000-4-5

Protective treatment	TH
Ambient air temperature for storage	-4070 °C
Ambient air temperature for operation	-4070 °C
Class of protection against electric shock	Class II conforming to IEC 60536
Standards	CSA C22.2 No 14 UL 508 JIS C 4520 EN/IEC 60947-5-4 EN/IEC 60947-5-1 EN/IEC 60947-1
Product certifications	LROS (Lloyds register of shipping) DNV GL CSA UL listed RINA BV
Vibration resistance	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
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

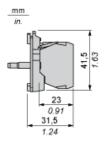
$8\ kV$ in free air (in insulating parts) conforming to IEC 61000-2-6

Electromagnetic emission	Class B conforming to IEC 55011		
Contractual warranty			
Warranty period	18 months		

Product datasheet Dimensions Drawings

ZB5AW0B45

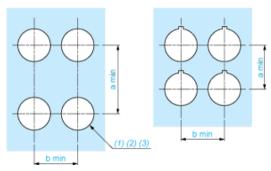
Dimensions



ZB5AW0B45

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

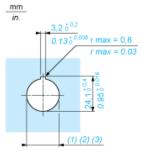
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- Diameter on finished panel or support
- For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended. \emptyset 22.5 mm recommended (\emptyset 22.3 $_0$ ^{+0.4}) / \emptyset 0.89 in. recommended (\emptyset 0.88 in. $_0$ ^{+0.016}) (2)

Connections	a in mm	a in in.	b in mm	b in in.
By screw clamp terminals or plug-in connector	40	1.57	30	1.18
By Faston connectors	45	1.77	32	1.26
On printed circuit board	30	1.18	30	1.18

Detail of Lug Recess



- Diameter on finished panel or support
- For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended. \emptyset 22.5 mm recommended (\emptyset 22.3 $_0$ ^{+0.4}) / \emptyset 0.89 in. recommended (\emptyset 0.88 in. $_0$ ^{+0.016})