### ZB5AW0G55

## orange light block with body/fixing collar with integral LED 110...120V 1NO+1NC

Product availability: Stock - Normally stocked in distribution facility



#### Main Range of product Harmony XB5 Product or component Complete body/contact assembly and light block type Device short name ZB5 Plastic Fixing collar material Sale per indivisible quantity Head type Standard 1 NO + 1 NC Contacts type and composition Contact operation Slow-break Connections - terminals Screw clamp terminals: <= 2 x 1.5 mm<sup>2</sup> with cable

	end conforming to EN 60947-1 Screw clamp terminals: >= 1 x 0.22 mm² without cable end conforming to EN 60947-1
Light source	Protected LED
Bulb base	Integral LED

Direct

1.2 A at 600 V, AC-15, A600 conforming to EN/IEC 60947-5-1

Orange

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Complementary			
CAD overall width	1.18 in (30 mm)		
CAD overall height	1.65 in (42 mm)		
CAD overall depth	1.26 in (32 mm)		
Terminals description ISO n°1	(13-14)NO		
	(11-12)NC		
Product weight	0.09 lb(US) (0.042 kg)		
Contacts usage	Standard		
Positive opening	With positive opening conforming to EN/IEC 60947-5-1 appendix K		
Operating travel	0.06 in (1.5 mm) (NC changing electrical state)		
	0.1 in (2.6 mm) (NO changing electrical state)		
	0.17 in (4.3 mm) (total travel)		
Operating force	2 N (NC changing electrical state) 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	7.0810.62 lbf.in (0.81.2 N.m) conforming to EN 60947-1		
Shape of screw head	Cross head compatible with Philips no 1 screwdriver		
	Cross head compatible with pozidriv No 1 screwdriver		
	Slotted head compatible with flat $\emptyset$ 4 mm screwdriver Slotted head compatible with flat $\emptyset$ 5.5 mm screwdriver		
Contacts material			
	Silver alloy (Ag/Ni)		
Short-circuit protection	10 A cartridge fuse type gG conforming to EN/IEC 60947-5-1		
[Ith] conventional free air thermal current	10 A conforming to EN/IEC 60947-5-1		
[Ui] rated insulation voltage	600 V (degree of pollution: 3) conforming to EN 60947-1		
[Uimp] rated impulse withstand voltage	6 kV conforming to EN 60947-1		
[le] rated operational current	3 A at 240 V, AC-15, A600 conforming to EN/IEC 60947-5-1		
	6 A at 120 V, AC-15, A600 conforming to EN/IEC 60947-5-1		
	0.1 A at 600 V, DC-13, Q600 conforming to EN/IEC 60947-5-1		
	0.27 A at 250 V, DC-13, Q600 conforming to EN/IEC 60947-5-1 0.55 A at 125 V, DC-13, Q600 conforming to EN/IEC 60947-5-1		
	0.00 A at 120 V, DO-10, Q000 comorning to ENTICO 00041-0-1		

Light block supply

Light source colour

Electrical durability	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 1000000 cycles, AC-15, 3 A at 120 V, operating rate: <= 3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C 1000000 cycles, AC-15, 4 A at 24 V, operating rate: <= 3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C 1000000 cycles, DC-13, 0.2 A at 110 V, operating rate: <= 3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C 1000000 cycles, DC-13, 0.5 A at 24 V, operating rate: <= 3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C
Electrical reliability	$\Lambda$ < 10exp(-6) at 5 V, 1 mA in clean environment conforming to EN/IEC 60947-5-4 $\Lambda$ < 10exp(-8) at 17 V, 5 mA in clean environment conforming to EN/IEC 60947-5-4
Signalling type	Steady
[Us] rated supply voltage	110120 V AC, 50/60 Hz
Current consumption	14 mA
Service life	100000 h at rated voltage and 25 °C
Surge withstand	1 kV conforming to IEC 61000-4-5

### Environment

Protective treatment	TH		
Ambient air temperature for storage	-40158 °F (-4070 °C)		
Ambient air temperature for operation	-40158 °F (-4070 °C)		
Electrical shock protection class	Class II conforming to IEC 60536		
Standards	JIS C 4520 EN/IEC 60947-5-1 UL 508 CSA C22.2 No 14 EN/IEC 60947-1 EN/IEC 60947-5-4		
Product certifications	DNV UL listed BV CSA LROS (Lloyds register of shipping) RINA GL		
Vibration resistance	5 gn (f = 2500 Hz) conforming to IEC 60068-2-6		
Shock resistance	30 gn (duration = 18 ms) half sine wave acceleration conforming to IEC 60068-2-27 50 gn (duration = 11 ms) 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	9.14 V/yd (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		
Customizable	No		

### Ordering and shipping details

Category	22469 - PUSHBUTTON,22MM ACCESSORIES-NEW
Discount Schedule	CS2
GTIN	00785901388081
Nbr. of units in pkg.	1
Package weight(Lbs)	8.9999999999997E-2
Returnability	Υ
Country of origin	FR

### Offer Sustainability

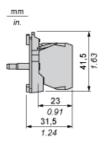
California proposition 65	WARNING: This product can expose you to chemicals including:
Substance 1	Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.
More information	For more information go to www.p65warnings.ca.gov

Warranty period 18 months

# Product data sheet Dimensions Drawings

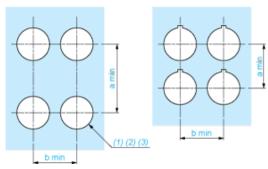
## ZB5AW0G55

### **Dimensions**



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

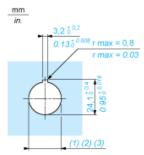
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- Diameter on finished panel or support
- (2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.
   (3) Ø22.5 mm recommended (Ø22.3 0 +0.4) / Ø0.89 in. recommended (Ø0.88 in. 0 +0.016)

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.
- Ø22.5 mm recommended (Ø22.3  $_0$  <sup>+0.4</sup>) / Ø0.89 in. recommended (Ø0.88 in.  $_0$  <sup>+0.016</sup>)

## **Mouser Electronics**

**Authorized Distributor** 

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Schneider Electric: ZB5AW0G55