ZB5AW0B12

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

Product availability: Non-Stock - Not normally stocked in distribution facility



Main

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
Head type	Standard
Contacts type and composition	1 NC
Contact operation	Slow-break
Connections - terminals	Screw clamp terminals: <= 2 x 1.5 mm ² with cable end conforming to EN 60947-1 Screw clamp terminals: >= 1 x 0.22 mm ² without cable end conforming to EN 60947-1
Light source	Protected LED
Bulb base	Integral LED
Light block supply	Direct
Light source colour	White

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	(11-12)NC			
Product weight	0.07 lb(US) (0.032 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) 0.17 in (4.3 mm) (total travel)			
Operating force	2 N (NC 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 Ø 4 mm screwdriver Slotted head compatible with flat Ø 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 1.2 A at 600 V, AC-15, A600 conforming to EN/IEC 60947-5-1				

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	Λ < 10exp(-6) at 5 V, 1 mA in clean environment conforming to EN/IEC 60947-5-4			
	Λ < 10exp(-8) at 17 V, 5 mA in clean environment conforming to EN/IEC 60947-5-4			
Signalling type	Steady			
[Us] rated supply voltage	24 V AC/DC, 50/60 Hz			
Supply voltage limits	19.230 V DC			
11,7	21.626.4 V AC			
Current consumption	18 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 CSA C22.2 No 14 EN/IEC 60947-5-1 UL 508 EN/IEC 60947-1 EN/IEC 60947-5-4 UL listed LROS (Lloyds register of shipping) BV GL RINA DNV CSA			
Product certifications				
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	00785901387749		
Nbr. of units in pkg.	1		
Package weight(Lbs)	0.100000000000001		
Returnability	N		
Country of origin	FR		

Offer Sustainability

Warranty period

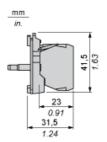
California proposition 65	WARNING: This product can expose you to chemicals including:
Substance 1	Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.
More information	For more information go to www.p65warnings.ca.gov
Contractual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

18 months

Product data sheet Dimensions Drawings

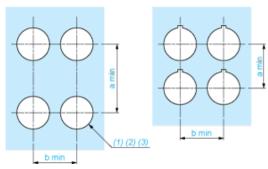
ZB5AW0B12

Dimensions



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

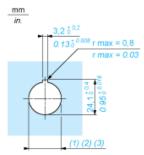
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- 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 $_0$ ^{+0.4}) / Ø0.89 in. recommended (Ø0.88 in. $_0$ ^{+0.016})

Mouser Electronics

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