

# ZB5AW0M65

blue light block with body/fixing collar with  
integral LED 230...240V 1NO+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 NO + 1 NC                                                                                                                                                                |
| Contact operation             | Slow-break                                                                                                                                                                 |
| Connections - terminals       | Screw clamp terminals, $\leq 2 \times 1.5 \text{ mm}^2$ with cable end EN 60947-1<br>Screw clamp terminals, $\geq 1 \times 0.22 \text{ mm}^2$ without cable end EN 60947-1 |
| Light source                  | Protected LED                                                                                                                                                              |
| Bulb base                     | Integral LED                                                                                                                                                               |
| Light block supply            | Direct                                                                                                                                                                     |
| Light source colour           | Blue                                                                                                                                                                       |

## 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<br>(11-12)NC                                                                                                           |
| Net weight                                               | 0.09 lb(US) (0.042 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<br>0.10 in (2.6 mm) NO changing electrical state<br>0.17 in (4.3 mm) total travel) |
| Operating force                                          | 2 N NC changing electrical state<br>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<br>Cross pozidriv No 1<br>Slotted flat Ø 4 mm<br>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                                                                                          |
| [I <sub>th</sub> ] conventional free air thermal current | 10 A EN/IEC 60947-5-1                                                                                                            |
| [U <sub>i</sub> ] rated insulation voltage               | 600 V 3)EN 60947-1                                                                                                               |
| [U <sub>imp</sub> ] rated impulse withstand voltage      | 6 kV EN 60947-1                                                                                                                  |

The information provided in this documentation contains general descriptions and/or technical characteristics of the products of the company. It 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. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

|                                |                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Ie] rated operational current | 3 A 240 V, AC-15, A600 EN/IEC 60947-5-1<br>6 A 120 V, AC-15, A600 EN/IEC 60947-5-1<br>0.1 A 600 V, DC-13, Q600 EN/IEC 60947-5-1<br>0.27 A 250 V, DC-13, Q600 EN/IEC 60947-5-1<br>0.55 A 125 V, DC-13, Q600 EN/IEC 60947-5-1<br>1.2 A 600 V, AC-15, A600 EN/IEC 60947-5-1                                                                                                                                  |
| Electrical durability          | 1000000 Cycles, AC-15, 2 A 230 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C<br>1000000 Cycles, AC-15, 3 A 120 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C<br>1000000 Cycles, AC-15, 4 A 24 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C<br>1000000 Cycles, DC-13, 0.2 A 110 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C<br>1000000 cycles, DC-13, 0.5 A 24 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C |
| Electrical reliability         | $\Lambda < 10\exp(-6)$ 5 V 1 mA in clean environment EN/IEC 60947-5-4<br>$\Lambda < 10\exp(-8)$ 17 V 5 mA in clean environment EN/IEC 60947-5-4                                                                                                                                                                                                                                                           |
| Signalling type                | Steady                                                                                                                                                                                                                                                                                                                                                                                                    |
| [Us] rated supply voltage      | 230...240 V AC 50/60 Hz                                                                                                                                                                                                                                                                                                                                                                                   |
| Supply voltage limits          | 195...264 V AC                                                                                                                                                                                                                                                                                                                                                                                            |
| Current consumption            | 14 mA                                                                                                                                                                                                                                                                                                                                                                                                     |
| Service life                   | 100000 h at rated voltage and 25 °C                                                                                                                                                                                                                                                                                                                                                                       |
| Surge withstand                | 1 kV IEC 61000-4-5                                                                                                                                                                                                                                                                                                                                                                                        |

## 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 II IEC 60536                                                                                                 |
| Standards                             | JIS C 4520<br>UL 508<br>EN/IEC 60947-5-4<br>CSA C22.2 No 14<br>EN/IEC 60947-1<br>EN/IEC 60947-5-1                  |
| Product certifications                | RINA<br>CSA<br>BV<br>LROS (Lloyds register of shipping)<br>UL listed<br>DNV<br>GL                                  |
| 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<br>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<br>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                | 03389110909517                          |
| Package weight(Lbs) | 0.07 kg (0.15 lb(US))                   |
| Returnability       | No                                      |
| Country of origin   | FR                                      |

## Offer Sustainability

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

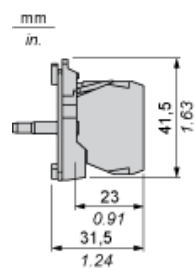
## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

---

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



- (1) 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)  $\varnothing 22.5$  mm recommended ( $\varnothing 22.3 \text{ }_0^{+0.4}$ ) /  $\varnothing 0.89$  in. recommended ( $\varnothing 0.88 \text{ in. }_0^{+0.016}$ )

| 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



- (1) 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)  $\varnothing 22.5$  mm recommended ( $\varnothing 22.3 \text{ }_0^{+0.4}$ ) /  $\varnothing 0.89$  in. recommended ( $\varnothing 0.88 \text{ in. }_0^{+0.016}$ )