

## Product data sheet

### Characteristics

## ZB5AW0M15

blok bijele lampice s kuć./spojnim prstenom i ugrađenim LED 230...240V 1NO+1NC



### 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           | White                                                                                                                                                                      |

### Complementary

|                                                          |                                                                                                      |
|----------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| CAD overall width                                        | 30 mm                                                                                                |
| CAD overall height                                       | 42 mm                                                                                                |
| CAD overall depth                                        | 32 mm                                                                                                |
| Terminals description ISO n°1                            | (11-12)NC<br>(13-14)NO                                                                               |
| Net weight                                               | 0,042 kg                                                                                             |
| Contacts usage                                           | Standard                                                                                             |
| Positive opening                                         | With EN/IEC 60947-5-1 appendix K                                                                     |
| Operating travel                                         | 1,5 Mm NC changing electrical state)<br>2,6 Mm NO changing electrical state)<br>4,3 mm total travel) |
| Operating force                                          | 2 N NC changing electrical state<br>2,3 N NO changing electrical state                               |
| Operating torque                                         | 0,05 N.m NO changing electrical state                                                                |
| Mechanical durability                                    | 5000000 cycles                                                                                       |
| Tightening torque                                        | 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                                                                                      |

|                                |                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [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                                                                                                                                                                                                                                                                                                                                                                                        |
| Device presentation            | Basic sub-assemblies                                                                                                                                                                                                                                                                                                                                                                                      |

## Environment

|                                       |                                                                                                                     |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Protective treatment                  | TH                                                                                                                  |
| Ambient air temperature for storage   | -40...70 °C                                                                                                         |
| Ambient air temperature for operation | -40...70 °C                                                                                                         |
| Electrical shock protection class     | Class II IEC 60536                                                                                                  |
| Standards                             | CSA C22.2 No 14<br>EN/IEC 60947-5-4<br>EN/IEC 60947-5-1<br>JIS C8201-5-1<br>UL 508<br>EN/IEC 60947-1<br>JIS C8201-1 |
| Product certifications                | UL listed<br>GL<br>RINA<br>DNV<br>BV<br>LROS (Lloyds register of shipping)<br>CSA                                   |
| 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  | 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                                                                                                   |

## Offer Sustainability

|                            |                                                                                                                                                                                              |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Status održive ponude      | Proizvod Green Premium                                                                                                                                                                       |
| Uredba REACH               |  <a href="#">Izjava REACH</a>                                                                             |
| REACH, bez SVHC            | Da                                                                                                                                                                                           |
| Direktiva EU RoHS          | Proaktivna sukladnost (proizvod izvan zakonskog okvira direktive EU RoHS)  <a href="#">Izjava EU RoHS</a> |
| Bez žive                   | Da                                                                                                                                                                                           |
| Informacije o RoHS izuzeću |  <a href="#">Da</a>                                                                                       |
| Propis RoHS za Kinu        |  <a href="#">Izjava RoHS Za Kinu</a>                                                                      |
| Izjava o očuvanju okoliša  |  <a href="#">Ekološki Profil Proizvoda</a>                                                                |

|                             |                                                                                                                                                      |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Profil cirkularnosti        | <a href="#"> Informacije O Kraju Vijeka Trajanja</a>                 |
| WEEE                        | Proizvod se na tržištima EU mora odlagati u skladu sa specifičnim propisima o prikupljanju otpada; nikako se ne smije odlagati s komunalnim otpadom. |
| <b>Contractual warranty</b> |                                                                                                                                                      |
| Jamstvo                     | 18 months                                                                                                                                            |