

# Product data sheet

## Characteristics

# ZBE101GEX

Contact block, Harmony XB4 - ATEX D, single contact, gas protected contact, screw clamp terminals, 1NO



### Main

|                               |   |
|-------------------------------|---|
| Range of product              | Harmony XB4   |
| Product or component type     | Contact block   |
| Device short name             | ZBE   |
| Sale per indivisible quantity | 1   |
| Contact operation             | Standard  |
| Contact block type            | Single  |
| Contacts usage                | Gas protected contact   |
| Connections - terminals       | Screw clamp terminals, 2 x 1.5 mm <sup>2</sup> without cable end<br>Screw clamp terminals, 1 x 2.5 mm <sup>2</sup> with cable end |

### Complementary

|  |  |
|--|--|
| CAD overall width  | 38 mm  |
| CAD overall height                                       | 10 mm  |
| CAD overall depth  | 42.4 mm  |
| Net weight   | 0.018 kg   |
| Marking  | Ex db eb IIC Gb  |
| Contacts type and composition                            | 1 NO   |
| Positive opening   | Without  |
| Operating travel   | 1.657 Mm (engagement point)<br>4.622 Mm (changing state point)<br>4.452 mm (total travel)  |
| Operating force  | 3.962 N  |
| Mechanical durability                                    | 1000000 cycles   |
| Tightening torque  | 0.8...1.2 N.m conforming to IEC 60947-1  |
| [I <sub>th</sub> ] conventional free air thermal current | 10 A conforming to IEC 60947-5-1   |
| [U <sub>i</sub> ] rated insulation voltage               | 415 V  |
| [I <sub>e</sub> ] rated operational current              | 1.9 A at 380 V, AC, A600 conforming to IEC 60947-5-1<br>3 A at 240 V, AC, A600 conforming to IEC 60947-5-1<br>6 A at 120 V, AC, A600 conforming to IEC 60947-5-1<br>0.27 A at 250 V, DC, Q300 conforming to IEC 60947-5-1<br>0.55 A at 125 V, DC, Q300 conforming to IEC 60947-5-1<br>2.87 A at 24 V, DC, Q300 conforming to IEC 60947-5-1 |
| Mounting of block  | Front mounting   |

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## Environment

|                                       |   |
|---------------------------------------|---|
| Protective treatment                  | TH  |
| Ambient air temperature for storage   | -50...70 °C   |
| Ambient air temperature for operation | -50...75 °C   |
| Standards                             | EN/IEC 60079-7<br>EN/IEC 60079-0<br>EN/IEC 60079-1<br>EN/IEC 60079-31<br>UL 60079-31<br>UL 60079-0<br>CSA C22.2 No 213<br>UL 60079-1<br>ANSI/ISA 12.12.01 |
| Product certifications                | cULus   |
| Environmental characteristic          | Hazardous location class I division 2   |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 1.000 cm  |
| Package 1 Width              | 11.500 cm |
| Package 1 Length             | 15.000 cm |
| Package 1 Weight             | 44.000 g  |

## 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> |
| Toxic heavy metal free     | Yes  |
| Mercury free               | Yes  |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>   |
| RoHS exemption information |  Yes  |
| 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  |