

Product data sheet

Specifications



Contact block, Harmony XB4 -
ATEX D, single contact, gas
protected contact, screw clamp
terminals, 1NC

ZBE102GEX

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 mm² without cable end Screw clamp terminals, 1 x 2.5 mm² with cable end

Complementary

CAD overall width	38 mm
CAD overall height	10 mm
CAD overall depth	42.4 mm
Product weight	0.019 kg
Marking	Ex db eb IIC Gb
Contacts type and composition	1 NC
Positive opening	With
Operating travel	1.688 mm (engagement point) 3.271 mm (changing state point) 4.424 mm (total travel)
Operating force	2.873 N
Mechanical durability	1000000 cycles
Tightening torque	0.8...1.2 N.m conforming to IEC 60947-1
[Ith] conventional free air thermal current	10 A conforming to IEC 60947-5-1
[Ui] rated insulation voltage	415 V
[Ie] rated operational current	1.9 A at 380 V, AC, A600 conforming to IEC 60947-5-1 3 A at 240 V, AC, A600 conforming to IEC 60947-5-1 6 A at 120 V, AC, A600 conforming to IEC 60947-5-1 0.27 A at 250 V, DC, Q300 conforming to IEC 60947-5-1 0.55 A at 125 V, DC, Q300 conforming to IEC 60947-5-1 2.87 A at 24 V, DC, Q300 conforming to IEC 60947-5-1
Mounting of block	Front mounting

Environment

Disclaimer: This documentation 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

Protective treatment	TH
Ambient air temperature for storage	-50...70 °C
Ambient air temperature for operation	-50...75 °C
Standards	UL 60079-31 UL 60079-0 UL 60079-1 ANSI/ISA 12.12.01 EN/IEC 60079-0 EN/IEC 60079-31 CSA C22.2 No 213 EN/IEC 60079-1 EN/IEC 60079-7
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	4.320 cm
Package 1 Width	1.270 cm
Package 1 Length	3.810 cm
Package 1 Weight	40.000 g

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

 Environmental footprint	
Total lifecycle Carbon footprint	1
Environmental Disclosure	Product Environmental Profile

Use Better

 Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
REACH Regulation	REACH Declaration
California proposition 65	WARNING: This product can expose you to chemicals including: Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Use Again

 Repack and remanufacture	
End of life manual availability	No need of specific recycling operations
Take-back	No
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins