Product data sheet
Characteristics

XB4BP583BM5GEX
Complete illuminated push button, Harmony XB4 - ATEX D, metal, yellow flush, 22mm, spring return, booted, 1NO, 24...254V AC/DC



Main

Range of product	Harmony XB4
Product or component type	Complete illuminated push-button
Device short name	XB4
Bezel material	Chromium plated metal
Fixing collar material	Zamak
Mounting diameter	22 Mm
Sale per indivisible quantity	1
Dust zone	Zone 21 - 22
Gas zone	Zone 1 - 2
Type of operator	Spring return
Operator profile	Yellow flush
Operator additional information	Booted (clear silicon)
Contacts type and composition	1 NO

Complementary

Width	46.2 Mm
Height	30 Mm
Depth	72 Mm
Net weight	0.108 Kg
Device mounting	Fixing hole - diameter: 22.5 mm +/- 0.2 mm conforming to IEC 60947-1
Fixing center	>= 30 x 40 mm (support panel) - thickness: 1…6 mm
Embedding depth	58 Mm
Marking	Ex tb IIIC Db II 2 GD Ex db eb mb IIC Gb
Shape of signaling unit head	Round
Contact operation	Slow-break
Positive opening	Without
Operating travel	1.657 Mm (engagement point) 4.622 Mm (changing state point) 4.452 Mm (total travel)
Operating force	3.962 N
Mechanical durability	5000000 Cycles
Connections - terminals	Screw clamp terminals, 2 x 1.5 mm² with cable end conforming to IEC 60947-1 Screw clamp terminals, 1 x 2.5 mm² without cable end conforming to IEC 60947-1
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
Signalling type	Steady
Light source	Integral LED
[Us] rated supply voltage	24...254 V AC/DC
Current consumption	2...10 mA
Service life	100000 H

Environment

Protective treatment	TH
Ambient air temperature for storage	-40…70 °C
Ambient air temperature for operation	-20…75 °C
Overvoltage category	I conforming to IEC 60536
IP degree of protection	IP66 conforming to IEC 60529
Standards	IEC 60079-0:2009 IEC 60079-7:2009 EN/IEC 60079-18:2009 IEC 60079-31:2009 UL 60079-0 UL 60079-18 UL 60079-31 ANSI/ISA 12.12.01 CSA C22.2 No 213
Product certifications	INERIS 04ATEX9004U

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.000 Cm
Package 1 Width	15.600 Cm
Package 1 Length	20.700 Cm
Package 1 Weight	125.000 G

Offer Sustainability

Total lifecycle Carbon footprint	2 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	0.9285304864
Carbon footprint of the manufacturing phase [A1 to A3]	0.9 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.0171310083
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.0262745907
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	1.0446162676
Carbon footprint of the use phase [B2, B3, B4, B6]	1 kg CO2 eq.
Toxic heavy metal free	Yes
Mercury free	Yes
Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	0.1657002372
Carbon footprint of the end-of-life phase [C1 to C4]	0.2 kg CO2 eq.
Total lifecycle Carbon footprint	2
Average percentage of recycled plastic content	19 %
Average percentage of recycled metal content	18 %
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
REACh Regulation	Reference contains Substances of Very High Concern above the threshold

EU RoHS Directive	Compliant
California proposition 65	WARNING: This product can expose you to chemicals including: Di-isodecyl phthalate (DIDP),
Product repair index	A
End of life manual availability	End Of Life Information
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection a

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised