

# Product datasheet

Specifications



## green illuminated pushbutton - Ø 22 - 240 V - ATEX

XB4BP383M5EX

### 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
Head type	Standard
Mounting diameter	22 mm
Sale per indivisible quantity	1
Dust zone	Zone 21 - 22
Type of operator	spring return
Operator profile	Green flush
Operator additional information	Booted (clear silicon)
Contacts type and composition	1 NO

### Complementary

Resistance to high pressure washer	7000000 Pa at 55 °C, distance : 0.1 m
Device mounting	Fixing hole - diameter: 22.5 mm 22.3 +0.4/0 conforming to EN/IEC 60947-1
Fixing center	>= 30 x 40 mm (support panel)
Fixing mode	Single screw: 0.8...1.2 N.m
Embedding depth	43 mm
Marking	Ex tb IIIC
Shape of signaling unit head	Round
Contact operation	Slow-break
Positive opening	Without
Operating travel	2.6 mm (NO changing electrical state) 4.3 mm (total travel)
Operating force	3.8 N NO changing electrical state
Mechanical durability	5000000 cycles
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to EN/IEC 60947-1 Screw clamp terminals, 1 x 0.22...2 x 2.5 mm² without cable end conforming to EN/IEC 60947-1

<b>Tightening torque</b>	0.8...1.2 N.m conforming to EN 60947-1
<b>Shape of screw head</b>	Cross compatible with Philips no 1 screwdriver Cross compatible with pozidriv No 1 screwdriver Slotted compatible with flat Ø 4 mm screwdriver Slotted compatible with flat Ø 5.5 mm screwdriver
<b>Contacts material</b>	Silver alloy (Ag/Ni)
<b>Short-circuit protection</b>	10 A cartridge fuse type gG conforming to EN/IEC 60947-5-1
<b>[Ith] conventional free air thermal current</b>	10 A conforming to EN/IEC 60947-5-1
<b>[Ui] rated insulation voltage</b>	600 V (pollution degree 3) conforming to EN/IEC 60947-1
<b>[Uimp] rated impulse withstand voltage</b>	6 kV conforming to EN/IEC 60947-1
<b>[Ie] rated operational current</b>	3 A at 240 V, AC-15, A600 conforming to EN/IEC 60947-5-1 6 A at 120 V, AC-15, A600 conforming to EN/IEC 60947-5-1 0.1 A at 600 V, DC-13, Q600 conforming to EN/IEC 60947-5-1 0.27 A at 250 V, DC-13, Q600 conforming to EN/IEC 60947-5-1 0.55 A at 125 V, DC-13, Q600 conforming to EN/IEC 60947-5-1 1.2 A at 600 V, AC-15, A600 conforming to EN/IEC 60947-5-1
<b>Electrical durability</b>	1000000 cycles AC-15, 2 A at 230 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1: appendix C 1000000 cycles AC-15, 3 A at 120 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1: appendix C 1000000 cycles AC-15, 4 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1: appendix C 1000000 cycles DC-13, 0.2 A at 110 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1: appendix C 1000000 cycles DC-13, 0.5 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1: appendix C
<b>Electrical reliability</b>	$\Lambda < 10\exp(-6)$ at 5 V, 1 mA in clean environment conforming to EN/IEC 60947-5-4 $\Lambda < 10\exp(-8)$ at 17 V, 5 mA in clean environment conforming to EN/IEC 60947-5-4
<b>Signalling type</b>	Steady
<b>Light source</b>	Integral LED
<b>[Us] rated supply voltage</b>	230 V AC 50/60 Hz
<b>Supply voltage limits</b>	195...264 V AC
<b>Current consumption</b>	14 mA
<b>Service life</b>	100000 h at rated voltage and 25 °C
<b>Surge withstand</b>	1 kV conforming to IEC 61000-4-5
<b>Environment</b>	
<b>Protective treatment</b>	TH
<b>Ambient air temperature for storage</b>	-40...70 °C
<b>Ambient air temperature for operation</b>	-40...70 °C
<b>Overvoltage category</b>	I conforming to IEC 60536
<b>IP degree of protection</b>	IP65 conforming to IEC 60529
<b>NEMA degree of protection</b>	NEMA 13 NEMA 4X
<b>IK degree of protection</b>	IK05 conforming to IEC 50102
<b>Standards</b>	EN 60079-0:2009 EN 60079-31:2009 EN 61000-6-2 IEC 60079-0:2007 IEC 60079-31:2008
<b>Directives</b>	94/9/EC - ATEX directive
<b>Product certifications</b>	INERIS 04ATEX9004U
<b>Vibration resistance</b>	5 gn (f= 2...500 Hz) conforming to IEC 60068-2-6
<b>Shock resistance</b>	30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27

	50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27
Resistance to fast transients	2 kV conforming to IEC 61000-4-4
Resistance to electromagnetic fields	10 V/m conforming to IEC 61000-4-3
Resistance to electrostatic discharge	6 kV on contact (on metal parts) conforming to IEC 61000-4-2 8 kV in free air (in insulating parts) conforming to IEC 61000-4-2
Electromagnetic emission	Class B conforming to IEC 55011

### Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.5 cm
Package 1 Width	16 cm
Package 1 Length	23.5 cm
Package 1 Weight	102 g
Unit Type of Package 2	S01
Number of Units in Package 2	12
Package 2 Height	15 cm
Package 2 Width	15 cm
Package 2 Length	40 cm
Package 2 Weight	1.403 kg
Package 3 Height	15 cm

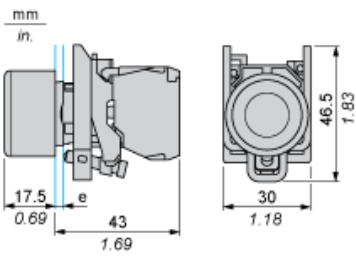
### Offer Sustainability

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	<a href="#">Yes</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
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Illuminated Pushbutton



e : support thickness: 1 to 6 mm / 0.04 to 0.24 in.

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	Connection by Faston Connectors
<div><div>(1)</div><div>Diameter on finished panel or support</div></div> <div><div>(2)</div><div>40 mm min. / 1.57 in. min.</div></div> <div><div>(3)</div><div>30 mm min. / 1.18 in. min.</div></div> <div><div>(4)</div><div>Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm<sub>0</sub><sup>+0.4</sup> / 0.88 in.<sub>0</sub><sup>+0.016</sup>)</div></div> <div><div>(5)</div><div>45 mm min. / 1.78 in. min.</div></div> <div><div>(6)</div><div>32 mm min. / 1.26 in. min.</div></div>	

Recommended replacement(s)