green illuminated pushbutton - Ø 22 - 24 V - ATEX

XB4BP383B5EX

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: 0.81.2 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 0.222 x 2.5 mm² without cable end conforming to EN/IEC 60947-1

Shape of scrow head Cross compatible with Philips on 1 screwdriver Schape of scrow head Cross compatible with Philips on 1 screwdriver Schade Compatible with Philips on 1 screwdriver Schade Compatible with Brilips on 1 screwdriver Schade Compatible with Brilips on 1 screwdriver Schade Compatible with Brilips on 1 screwdriver Onntacta material Silver alloy (April) 10 A cartising leave the glo 9.5 cmm screwdriver 10 A cartising leave the glo 9.5 cmm screwdriver 10 A cartising leave the glo 9.6 cmm screwdriver 10 A cartising leave the glo 9.6 cmm screwdriver 10 A cartising leave the glo 9.6 cmm screwdriver 10 Compatible with Brilips on 1 SchiEct 00047-1 10 Cmm screwdriver		
Costacts material Sitest compatible with flat 3/4 ms securitive Short-circuit protection 10 A cartridge flate type go conforming to ENIEC 00947-5-1 [Ithi) conventional free air thermal current [Uing] rated impulse withstand of 8/4 conforming to ENIEC 60947-1 [Uing] rated impulse withstand voltage [Ing] rated operational current 3 A at 240 V. AC-15, A600 conforming to ENIEC 80947-5-1 6 A at 120 V. AC-15, A600 conforming to ENIEC 80947-5-1 6 A at 120 V. AC-15, A600 conforming to ENIEC 80947-5-1 6 A at 120 V. AC-15, A600 conforming to ENIEC 80947-5-1 6 A at 120 V. AC-15, A600 conforming to ENIEC 80947-5-1 6 A at 120 V. AC-15, A600 conforming to ENIEC 80947-5-1 7 A at 600 V. AC-15, A600 conforming to ENIEC 80947-5-1 8 A security of the securi	Tightening torque	0.81.2 N.m conforming to EN 60947-1
Short-circuit protection	Shape of screw head	Cross compatible with pozidriv No 1 screwdriver Slotted compatible with flat Ø 4 mm screwdriver
[Ui] conventional free air thermal current 10 A conforming to ENIEC 80947-5-1 10 10 10 10 10 10 10	Contacts material	Silver alloy (Ag/Ni)
	Short-circuit protection	10 A cartridge fuse type gG conforming to EN/IEC 60947-5-1
Clump rated impulse withstand voltage		10 A conforming to EN/IEC 60947-5-1
	[Ui] rated insulation voltage	600 V (pollution degree 3) conforming to EN/IEC 60947-1
6 A at 120 V, AC-15, A600 conforming to ENIEC 60947-5-1 0.1 At 800 V, DC-13, Q800 conforming to ENIEC 60947-5-1 0.27 A at 250 V, DC-13, Q800 conforming to ENIEC 60947-5-1 0.27 A at 250 V, DC-13, Q800 conforming to ENIEC 60947-5-1 0.28 At 125 V, DC-13, Q800 conforming to ENIEC 60947-5-1 1.2 At 800 V, AC-15, A600 conforming to ENIEC 60947-5-1 1.2 At 800 V, AC-15, A600 conforming to ENIEC 60947-5-1 1.2 At 800 V, AC-15, A600 conforming to ENIEC 60947-5-1 1.2 At 800 V, AC-15, A600 conforming to ENIEC 60947-5-1 1.2 At 800 V, AC-15, A600 conforming to ENIEC 60947-5-1 1.2 At 800 V, AC-15, A600 conforming to ENIEC 60947-5-1 1.2 At 120 V, operating rate <8000 cych, load factor: 0.5 conforming to ENIEC 60947-5-1 appendix C 1000000 cycles AC-15, A At 120 V, operating rate <8000 cych, load factor: 0.5 conforming to ENIEC 60947-5-1 appendix C 1000000 cycles DC-13, O.5 A at 24 V, operating rate <8000 cych, load factor: 0.5 conforming to ENIEC 60947-5-1 appendix C 1000000 cycles DC-13, O.5 A at 24 V, operating rate <8000 cych, load factor: 0.5 conforming to ENIEC 60947-5-1 appendix C 1000000 cycles DC-13, O.5 A at 24 V, operating rate <8000 cych, load factor: 0.5 conforming to ENIEC 60947-5-1 appendix C 1000000 cycles DC-13, O.5 A at 24 V, operating rate <8000 cych, load factor: 0.5 conforming to ENIEC 60947-5-1 appendix C 1000000 cycles DC-13, O.5 A at 24 V, operating rate <8000 cych, load factor: 0.5 conforming to ENIEC 60947-5-1 appendix C 1000000 cycles DC-13, O.5 A at 24 V, operating rate <8000 cych, load factor: 0.5 conforming to ENIEC 60947-5-1 appendix C 1000000 cycles DC-13, O.5 A at 110 V, operating rate <8000 cych, load factor: 0.5 conforming to ENIEC 60947-5-1 appendix C 1000000 cycles DC-13, O.5 A at 110 V, operating rate <8000 cych, load factor: 0.5 conforming to ENIEC 60947-5-1 appendix C 1000000 cycles DC-13, O.5 A at 110 V, operating rate <8000 cych, load factor: 0.5 conforming to ENIEC 60947-5-1 appendix C 1000000 cycles DC-13, O.5 A at 24 V, operating rate <8000 cych, load factor: 0.5 conforming to ENIEC 600		6 kV conforming to EN/IEC 60947-1
60947-5-1: appendix C	[le] rated operational current	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
Signalling type Steady Light source Integral LED [Us] rated supply voltage 24 V AC/DC 50/60 Hz Supply voltage limits 19.230 V DC 21.6264 V AC Current consumption 18 mA Service life 100000 h at rated voltage and 25 °C Surge withstand 1 kV conforming to IEC 61000-4-5 Environment Protective treatment TH Ambient air temperature for operation Overvoltage category I conforming to IEC 60536 IP degree of protection NEMA 13 NEMA 43 KK degree of protection NEMA 13 NEMA 43 Light Source NERIS 04ATEX9004U INERIS 04ATEX9004U INERIS 04ATEX9004U	Electrical durability	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
Light source Integral LED [Us] rated supply voltage 24 V AC/DC 50/60 Hz Supply voltage limits 19230 V DC 21626.4 V AC Current consumption 18 mA Service life 100000 h at rated voltage and 25 °C Surge withstand 1 kV conforming to IEC 61000-4-5 Environment Protective treatment TH Ambient air temperature for storage Ambient air temperature for operation Overvoltage category I conforming to IEC 60536 IP degree of protection IP65 conforming to IEC 60529 NEMA degree of protection IKO5 conforming to IEC 50102 Standards EN 60079-0:2009 EN 61000-62 IEC 60079-0:2009 EN 61000-62 IEC 60079-0:2009 EN 60079-31:2009 EN 60079-31:2008 Directives 94/9/EC - ATEX directive Product certifications INERS 04ATEX9004U	Electrical reliability	
Supply voltage limits	Signalling type	Steady
Supply voltage limits 19.230 V DC 21.626.4 V AC Current consumption 18 mA Service life 100000 h at rated voltage and 25 °C Surge withstand 1 kV conforming to IEC 61000-4-5 Environment Protective treatment TH Ambient air temperature for storage Ambient air temperature for operation Overvoltage category I conforming to IEC 60536 IP degree of protection NEMA 13 NEMA 4X IK degree of protection IKOS conforming to IEC 50102 Standards EN 60079-0:2009 EN 60079-31:2009 EN 61000-6-2 IEC 60079-0:2007 IEC 60079-0:2007 IEC 60079-0:2007 IEC 60079-0:2007 IEC 60079-0:2007 IEC 60079-0:2007 IEC 60079-0:2008 Directives 94/9/EC - ATEX directive Product certifications INERIS 04ATEX9004U	Light source	Integral LED
21.626.4 V AC	[Us] rated supply voltage	24 V AC/DC 50/60 Hz
Service life 100000 h at rated voltage and 25 °C Surge withstand 1 kV conforming to IEC 61000-4-5 Environment Protective treatment TH Ambient air temperature for storage Ambient air temperature for operation Overvoltage category I conforming to IEC 60536 IP degree of protection IP65 conforming to IEC 60529 NEMA degree of protection NEMA 13 NEMA 4X IK degree of protection IK05 conforming to IEC 50102 Standards EN 60079-0:2009 EN 60009-2:12009 EN 60009-3:1:2009 EN 60009-3:1:2009 EN 60009-3:1:2009 EN 60009-3:1:2008 Directives 94/9/EC - ATEX directive Product certifications INERIS 04ATEX9004U	Supply voltage limits	
Environment Protective treatment TH Ambient air temperature for storage -4070 °C Ambient air temperature for operation -4070 °C Overvoltage category I conforming to IEC 60536 IP degree of protection IP65 conforming to IEC 60529 NEMA degree of protection NEMA 4X IK degree of protection IK05 conforming to IEC 50102 Standards EN 60079-0:2009 EN 61000-6-2 IEC 60079-0:2008 EN 61000-6-2 IEC 60079-0:2008 EN 61009-9:1:2008 Directives 94/9/EC - ATEX directive Product certifications IKRIS 04ATEX9004U	Current consumption	18 mA
Environment Protective treatment TH Ambient air temperature for storage Ambient air temperature for operation Overvoltage category I conforming to IEC 60536 IP degree of protection IP65 conforming to IEC 60529 NEMA degree of protection NEMA 13 NEMA 4X IK degree of protection IK05 conforming to IEC 50102 Standards En 60079-0:2009 En 60079-31:2009 En 60079-31:2009 En 60079-31:2008 Directives 94/9/EC - ATEX directive Product certifications INERIS 04ATEX9004U	Service life	100000 h at rated voltage and 25 °C
Protective treatment TH Ambient air temperature for storage Ambient air temperature for operation Overvoltage category I conforming to IEC 60536 IP degree of protection NEMA 13 NEMA 4X IK degree of protection IK05 conforming to IEC 50102 Standards EN 60079-0:2009 EN 60079-31:2009 EN 61000-6-2 IEC 60079-0:2007 IEC 60079-31:2008 Directives 94/9/EC - ATEX directive Product certifications IK070 °C -4070 °C -40	Surge withstand	1 kV conforming to IEC 61000-4-5
Ambient air temperature for storage Ambient air temperature for operation Overvoltage category I conforming to IEC 60536 IP degree of protection NEMA 13 NEMA 4X IK degree of protection IK05 conforming to IEC 50102 Standards EN 60079-0:2009 EN 60079-31:2009 EN 60009-31:2009 EN 60009-31:2008 Directives 94/9/EC - ATEX directive Product certifications	Environment	
Ambient air temperature for operation Overvoltage category 1 conforming to IEC 60536 IP degree of protection IP65 conforming to IEC 60529 NEMA degree of protection NEMA 13 NEMA 4X IK degree of protection IK05 conforming to IEC 50102 Standards EN 60079-0:2009 EN 60079-31:2009 EN 61000-6-2 IEC 60079-31:2008 Directives 94/9/EC - ATEX directive Product certifications INERIS 04ATEX9004U	Protective treatment	тн
Overvoltage category I conforming to IEC 60536 IP degree of protection IP65 conforming to IEC 60529 NEMA degree of protection NEMA 13 NEMA 4X IK degree of protection IK05 conforming to IEC 50102 Standards EN 60079-0:2009 EN 60079-31:2009 EN 61000-6-2 IEC 60079-0:2007 IEC 60079-31:2008 Directives 94/9/EC - ATEX directive Product certifications INERIS 04ATEX9004U		-4070 °C
IP degree of protection NEMA 13 NEMA 4X IK degree of protection IK05 conforming to IEC 50102 Standards EN 60079-0:2009 EN 60079-31:2009 EN 61000-6-2 IEC 60079-0:2007 IEC 60079-31:2008 Directives 94/9/EC - ATEX directive Product certifications INERIS 04ATEX9004U		-4070 °C
NEMA degree of protection NEMA 13 NEMA 4X IK degree of protection IK05 conforming to IEC 50102 Standards EN 60079-0:2009 EN 60079-31:2009 EN 61000-6-2 IEC 60079-0:2007 IEC 60079-0:2007 IEC 60079-31:2008 Directives 94/9/EC - ATEX directive Product certifications INERIS 04ATEX9004U	Overvoltage category	I conforming to IEC 60536
NEMA 4X	IP degree of protection	IP65 conforming to IEC 60529
Standards	NEMA degree of protection	
EN 60079-31:2009 EN 61000-6-2 IEC 60079-0:2007 IEC 60079-31:2008 Directives 94/9/EC - ATEX directive Product certifications INERIS 04ATEX9004U	IK degree of protection	IK05 conforming to IEC 50102
Product certifications INERIS 04ATEX9004U	Standards	EN 60079-31:2009 EN 61000-6-2 IEC 60079-0:2007
	Directives	94/9/EC - ATEX directive
Vibration resistance 5 gn (f= 2500 Hz) conforming to IEC 60068-2-6	Product certifications	INERIS 04ATEX9004U
	Vibration resistance	5 gn (f= 2500 Hz) conforming to IEC 60068-2-6

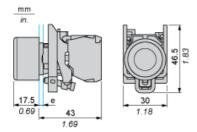
Shock resistance	30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27 50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27
Resistance to fast transients	2 kV conforming to IEC 61000-4-4
Resistance to electromagnetic fields	10 V/m conforming 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	14 cm
Package 1 Length	20 cm
Package 1 Weight	102 g
Unit Type of Package 2	S02
Number of Units in Package 2	20
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	2.399 kg
Offer Sustainability	
Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	China RoHS declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
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

Product datasheet

XB4BP383B5EX

Dimensions Drawings

Illuminated Pushbutton



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

Product datasheet

XB4BP383B5EX

Mounting and Clearance

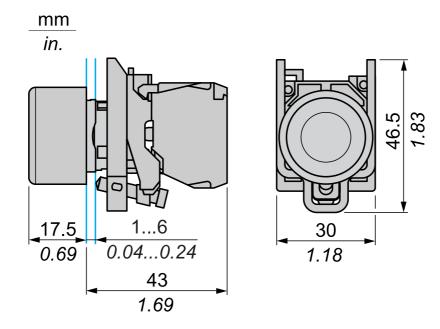
Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

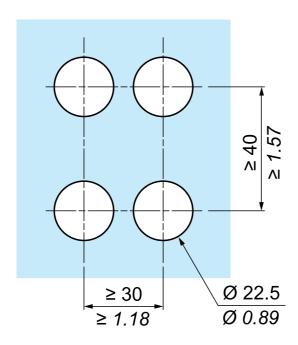
Connection by Screw Clamp Terminals or Plug-in Connectors or Connection by Faston Connectors on Printed Circuit Board (1) (2) (3) (4) Diameter on finished panel or support

- 40 mm min. / 1.57 in. min.
- 30 mm min. / 1.18 in. min.
- Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm $_0$ $^{+0.4}$ / 0.88 in. $_0$ $^{+0.016})$
- (5) (6) 45 mm min. / 1.78 in. min. 32 mm min. / 1.26 in. min.

Technical Illustration

Dimensions





Recommended replacement(s)