

XB4BS9445EX

red Emergency stop Ø 22 - mushroom head Ø 40 -
key release - ATEX



Main

Range of product	Harmony XB4
Product or component type	Complete emergency stop 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
Type of operator	Trigger action and mechanical latching
Reset	Key release
Operator profile	Red mushroom Ø 40 mm
Key number	455
Contacts type and composition	1 NO + 1 NC

Complementary

Device mounting	Fixing hole Ø 22.5 mm (22.3 +0.4/0)
Fixing center	>= 30 x 40 mm on support panel
Fixing mode	Screw-fixed nominal torque: 0.8...1.2 N.m
Embedding depth	43 mm
Marking	Ex tb IIIC
Shape of signaling unit head	Round
Key withdrawal position	Center
Contacts operation	Slow-break
Contacts usage	Standard
Positive opening	With conforming to EN/IEC 60947-5-1 : appendix K
Operating travel	1.5 mm (NC changing electrical state) 4.3 mm (total travel)
Mechanical durability	300000 cycles
Connections - terminals	Screw clamp terminals, clamping capacity: <= 2 x 1.5 mm ² with cable end conforming to EN 60947-1 Screw clamp terminals, clamping capacity: >= 1 x 0.22 mm ² without cable end conforming to EN 60947-1
Tightening torque	0.8...1.2 N.m conforming to EN 60947-1
Shape of screw head	Cross head compatible with Philips no 1 screwdriver Cross head compatible with pozidriv No 1 screwdriver Slotted head compatible with flat Ø 4 mm screwdriver Slotted head compatible with flat Ø 5.5 mm screwdriver
Contacts material	Silver alloy (Ag/Ni)
Short circuit protection	10 A cartridge fuse type gG conforming to EN/IEC 60947-5-1
[I _{th}] conventional free air thermal current	10 A conforming to EN/IEC 60947-5-1
[U _i] rated insulation voltage	600 V (degree of pollution: 3) conforming to EN 60947-1
[U _{imp}] rated impulse withstand voltage	6 kV conforming to EN 60947-1
[I _e] rated operational current	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
Electrical durability	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

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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

Electrical reliability IEC 60947-5-4	$\Lambda < 10\text{exp}(-6)$ at 5 V and 1 mA in clean environment conforming to EN/IEC 60947-5-4 $\Lambda < 10\text{exp}(-8)$ at 17 V and 5 mA in clean environment conforming to EN/IEC 60947-5-4
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Environment

protective treatment	TH
ambient air temperature for operation	-40...70 °C
overvoltage category	I conforming to IEC 60536
IP degree of protection	IP67 IP66 conforming to IEC 60529 IP69K IP69
IK degree of protection	IK03
standards	EN 61000-6-2 EN 60079-0 : 2009 EN 60079-31 : 2009 IEC 60079-0 : 2007 IEC 60079-31 : 2008 EN/IEC 60947-5-5 EN/IEC 60947-5-5 EN/ISO 13850
directives	94/9/EC - ATEX directive
product certifications	INERIS 04ATEX9004U
vibration resistance	5 gn (f = 2...500 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

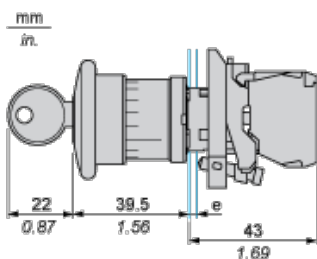
Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 0727 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold

Contractual warranty

Warranty period	18 months
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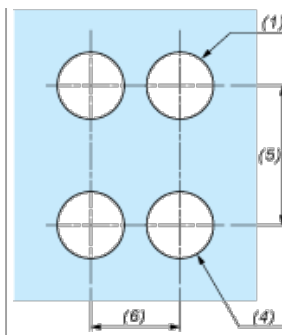
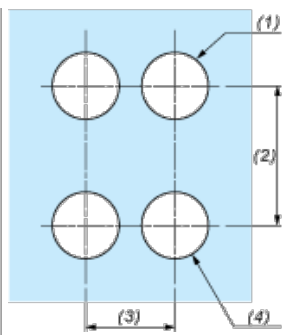
Emergency Stop with Key Release



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
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- (1) Diameter on finished panel or support
- (2) 40 mm min. / 1.57 in. min.
- (3) 30 mm min. / 1.18 in. min.
- (4) $\varnothing 22.5 \text{ mm} / 0.89 \text{ in. recommended } (\varnothing 22.3 \text{ mm}_0^{+0.4} / 0.88 \text{ in.}_0^{+0.016})$
- (5) 45 mm min. / 1.78 in. min.
- (6) 32 mm min. / 1.26 in. min.