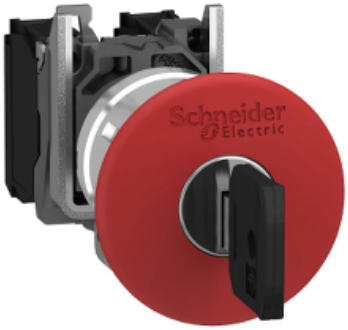
Product data sheet
Characteristics

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
Head type	Standard
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 recommended 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
Contact 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 mm² with cable end conforming to EN 60947-1 Screw clamp terminals, clamping capacity: >= 1 x 0.22 mm² 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
[Ith] conventional free air thermal current	10 A conforming to EN/IEC 60947-5-1
[Ui] rated insulation voltage	600 V (degree of pollution: 3) conforming to EN 60947-1
[Uimp] rated impulse withstand voltage	6 kV conforming to EN 60947-1
[Ie] 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
Electrical reliability	Λ < 10exp(-6) EN/IEC 60947-5-4 at 5 V conforming to EN/IEC 60947-5-4 conforming to EN/IEC 60947-5-4 EN/IEC 60947-5-4 EN/IEC 60947-5-4 1 mA and 1 mA conforming to EN/IEC 60947-5-4 EN/IEC 60947-5-4 in clean environment in clean environment conforming to EN/
Compatibility code	XB4

Environment

Protective treatment	TH
Ambient air temperature for operation	-40...70 °C
Overvoltage category	Conforming to IEC 60536
IP degree of protection	IP66 conforming to IEC 60529
IK degree of protection	IK03
Standards	EN/IEC 60947-5-5
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	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0627 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available Product Environmental Profile
Product end of life instructions	Need no specific recycling operations End of Life Information

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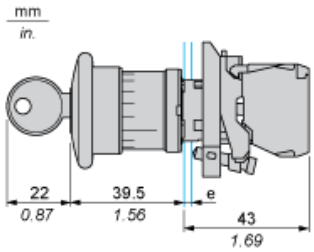
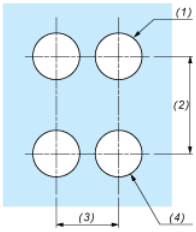
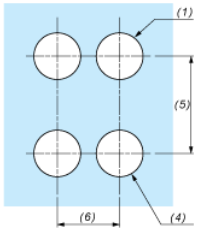
Emergency Stop with Key Release



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
	

(1) Diameter on finished panel or support
(2) 40 mm min. / 1.57 in. min.
(3) 30 mm min. / 1.18 in. min.
(4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm $_{0}^{+0.4}$ / 0.88 in. $_{0}^{+0.016}$)
(5) 45 mm min. / 1.78 in. min.
(6) 32 mm min. / 1.26 in. min.