Product data sheet

Specifications





Emergency stop push button, Harmony XB4, metal, red mushroom, 40mm, 22mm, trigger latching push pull, 1NO+1NC

XB4BT845

Main

Range Of Product	Harmony XB4	
Product Or Component Type	Emergency stop push-button Emergency switching off push-button	
Device Short Name	XB4	
Bezel Material	Chromium plated metal	
Fixing Collar Material	Zamak	
Mounting Diameter	22.5 mm	
Sale Per Indivisible Quantity	1	
Shape Of Signaling Unit Head	Round	
Type Of Operator	trigger action and mechanical latching	
Reset	Push-pull	
Operator Profile	Red mushroom Ø 40 mm, unmarked	
Contact Operation	Slow-break	
Connections - Terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to IEC 60947-1 Screw clamp terminals, >= 1 x 0.22 mm² without cable end conforming to IEC 60947-1	

Complementary

Height	47 mm
Width	40 mm
Depth	82 mm
Terminals Description Iso N°1	(13-14)NO
Net Weight	0.136 kg
Resistance To High Pressure Washer	7000000 Pa at 55 °C, distance : 0.1 m
Contacts Usage	Standard contacts
Positive Opening	With conforming to IEC 60947-5-1 appendix K
Operating Travel	1.5 mm (NC changing electrical state) 2.6 mm (NO changing electrical state) 4.3 mm (total travel)
Operating Force	50 N
Mechanical Durability	300000 cycles
Tightening Torque	0.81.2 N.m conforming to IEC 60947-1

Shape Of Screw Head	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
Contacts Material	Silver alloy (Ag/Ni)
Short-Circuit Protection	10 A cartridge fuse type gG conforming to IEC 60947-5-1
[Ith] Conventional Free Air Thermal Current	10 A conforming to IEC 60947-5-1
[Ui] Rated Insulation Voltage	600 V (pollution degree 3) conforming to IEC 60947-1
[Uimp] Rated Impulse Withstand Voltage	6 kV conforming to IEC 60947-1
[le] Rated Operational Current	3 A at 240 V, AC-15, A600 conforming to IEC 60947-5-1 6 A at 120 V, AC-15, A600 conforming to IEC 60947-5-1 0.1 A at 600 V, DC-13, Q600 conforming to IEC 60947-5-1 0.27 A at 250 V, DC-13, Q600 conforming to IEC 60947-5-1 0.55 A at 125 V, DC-13, Q600 conforming to IEC 60947-5-1 1.2 A at 600 V, AC-15, A600 conforming to 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 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 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 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 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 IEC 60947-5-1 appendix C
Electrical Reliability	Λ < 10exp(-6) at 5 V and 1 mA in clean environment conforming to IEC 60947-5-4 Λ < 10exp(-8) at 17 V and 5 mA in clean environment conforming to IEC 60947-5-4
Device Presentation Environment	Complete product
Protective Treatment	тн
Ambient Air Temperature For Storage	-4070 °C
Ambient Air Temperature For Operation	-4070 °C
Electrical Shock Protection Class	Class I conforming to IEC 60536
Ip Degree Of Protection	IP66 conforming to IEC 60529 IP67 IP69 IP69K
Nema Degree Of Protection	NEMA 13 NEMA 4X
Ik Degree Of Protection	IK03 conforming to IEC 50102
Standards	IEC 60204-1 UL 508 ISO 13850 CSA C22.2 No 14 IEC 60947-5-5 IEC 60364-5-53 IEC 60947-5-1 JIS C8201-5-1 IEC 60947-1 IEC 60947-5-4 JIS C8201-1
Product Certifications	CSA LROS (Lloyds register of shipping) BV GL UL listed DNV

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

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	4.5 cm
Package 1 Width	5.3 cm
Package 1 Length	8.8 cm
Package 1 Weight	133.0 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	42
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	5.955 kg

Contractual warranty

Warranty 18 months



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Transparency RoHS/REACh

Well-being performance

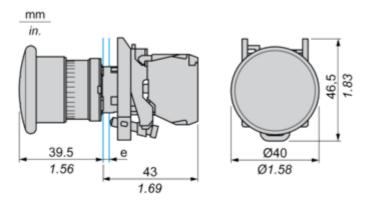
⊘	Reach Free Of Svhc	
9	Toxic Heavy Metal Free	
②	Mercury Free	
⊘	Rohs Exemption Information	Yes

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information

Dimensions Drawings

Dimensions



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

XB4BT845

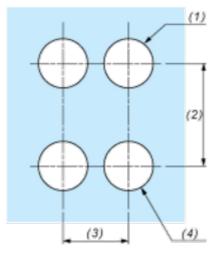
Mounting and Clearance

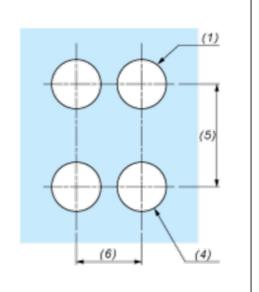
Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

Connectors or on Printed Circuit Board (1)

Connection by Screw Clamp Terminals or Plug-in

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.