Product datasheet

Specification





Complete push button, Easy Harmony XB2, metal, red, mushroom head 40mm, 22mm, 1NC

XB2BC42C

Main

Range of product	Easy Harmony XB2
Product or component type	Complete push-button
device presentation	Complete product
Device short name	XB2
Bezel material	Chromium plated metal
Mounting diameter	22.5 mm
Sale per indivisible quantity	1
Head type	Mushroom

Complementary

Specificity of operator	Mushroom button head	
Fixing collar material	Zamak	
Terminals description ISO n°1	(11-12)NC	
Overvoltage category	Class I conforming to IEC 60536	
Operating position	Any position	
Cap/operator or lens colour	Red	
Product compatibility	ZB2C	
Device mounting	Fixing hole - diameter: 22.5 mm	
Fixing center	>= 30 x 40 mm (16 mm thick panel) zamak - thickness: 16 mm	
Fixing mode	Fixing screw beneath head recommended torque: 0.8 N.m Fixing screw beneath head recommended torque: 1.0 N.m	
marking	Unmarked	
Shape of signaling unit head Round		
Type of operator	spring return	
Operator profile	rator profile Red mushroom Ø 40 mm, unmarked	
Contacts type and composition	1 NC	
Contact operation	Slow-break	
Contacts usage	Standard contacts	
Positive opening	Without	
Operating travel	2.88 mm (NO changing electrical state) 5.0 mm	
Mechanical durability	3000000 cycles	

Connections - terminals	Screw clamp terminal, $<= 2 \times 1.5 \text{ mm}^2$ with and without cable ends Screw clamp terminal, $<= 1 \times 2.5 \text{ mm}^2$ with and without cable ends Screw clamp terminal, $>= 1 \times 0.5 \text{ mm}^2$ with and without cable ends Faston terminals, connection size: 6.3 mm
Tightening torque	0.81.0 N.m
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 gL 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 60947-5-4 0.27 A at 250 V, DC-13, Q600 conforming to IEC 60947-5-4
Electrical durability	1000000 cycles, AC-15, 3 A at 240 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 1000000 cycles, DC-13, 0.27 A at 250 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, 1 mA in clean environment conforming to IEC 60947-5-4 Λ < 10exp(-8) at 17 V, 5 mA in clean environment conforming to IEC 60947-5-4
Height	40 mm
Width	40 mm
Depth	74.5 mm
Net weight	0.09 kg
Customizable	No
Operator profile	Mushroom Ø 40 mm
Type of operator	Spring return

Environment

protective treatment	тс/тн
Ambient air temperature for storage	-4070 °C
Ambient air temperature for operation	-2570 °C
IP degree of protection	IP65
IK degree of protection	IK06
Standards	IEC 60947-5-1 IEC 60947-5-4 IEC 60947-1 GB/T 14048.1 GB/T 14048.5
Product certifications	CCC CE
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	5.5 cm
Package 1 Width	7 cm
Package 1 Length	7 cm
Package 1 Weight	98 g
Unit Type of Package 2	S02
Number of Units in Package 2	50
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	3.255 kg
Unit Type of Package 3	P06
Number of Units in Package 3	600
Package 3 Height	90 cm
Package 3 Width	60 cm
Package 3 Length	80 cm
Package 3 Weight	73.6 kg



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Transparency RoHS/REACh

Well-being performance

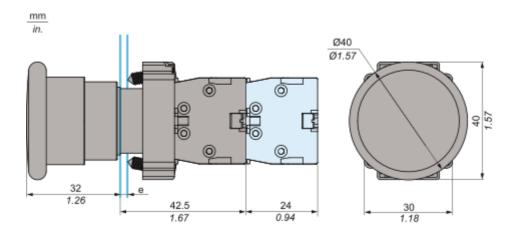
	Reach Free Of Svhc	
②	Mercury Free	
⊘	Rohs Exemption Information	Yes

Certifications & Standards

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	No need of specific recycling operations		

Dimensions Drawings

Dimensions



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

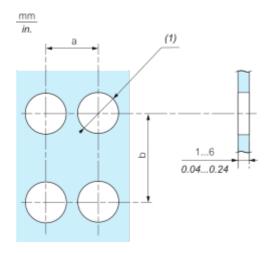
03-Sept-2024

XB2BC42C

Mounting and Clearance

Mounting and Clearance

Panel cut-out



	Connection terminals	Connection by Screw clamp terminals			
	a in mm	a in in.	b in mm	b in in.	
•B2BA•C / •B2BL•C / •B2BP•C / •B2BS4•C / •B2BD•C / •B2BJ•C / •B2BG•C / •B2BW•C	40	1.57	30	1.18	
•B2BC•C / •B2BS5•C / •B2BS8•C / •B2BT•C	40	1.57	40	1.57	
•B2BR•C / •B2BS6•C	60	2.36	60	2.36	

(1) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm $_0^{+0.4}$ / 0.88 in. $_0^{+0.016}$)