Product data sheet





black Ø40 mushroom pushbutton head Ø22 spring return 1NO

XB5AC21

! Discontinued on: Nov 1, 2020

① Discontinued

Main

Range Of Product	Harmony XB5				
Product Or Component Type	Push-button				
Device Short Name	XB5				
Bezel Material	Plastic Dark grey plastic				
Head Type	Standard				
Fixing Collar Material	Plastic				
Mounting Diamete 22 mm					
Sale Per Indivisible Quantity	1				
Shape Of Signaling Unit Head	Round				
Type Of Operator	spring return				
Operator Profile	Black mushroom Ø 40 mm				
Contacts Type And Composition	1 NO				
Contact Operation	Slow-break				
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 Faston connectors, connection size: 1 x 6.35 mm Faston connectors, connection size: 2 x 2.8 mm				

Complementary

Height	43 mm
Width	40 mm
Depth	82 mm
Net Weight	0.062 kg
Resistance To High Pressure Washer	7000000 Pa at 55 °C, distance : 0.1 m
Contacts Usage	Standard contacts
Positive Opening	Without
Operating Travel	1.5 mm (NC changing electrical state) 2.6 mm (NO changing electrical state) 4.3 mm (total travel)
Operating Force	3.5 N NC changing electrical state 3.8 N NO changing electrical state

List Price displayed is VAT EXCLUSIVE.



Mechanical Durability	5000000 cycles		
Tightening Torque	0.81.2 N.m conforming to EN 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 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 (pollution degree 3) conforming to EN/IEC 60947-1		
[Uimp] Rated Impulse Withstand Voltage	6 kV conforming to EN/IEC 60947-1		
[le] 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 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	Λ < 10exp(-6) at 5 V and 1 mA in clean environment conforming to EN/IEC 60947-5-4 Λ < 10exp(-8) at 17 V and 5 mA in clean environment conforming to EN/IEC 60947-5-4		
Device Presentation	Complete product		
Customizable	No		
Customizable	Í		
Gcr Bridge	XB5ACCUST01		
Compatibility Code	XB5		

Environment

LIMITOTITIETIL	
Protective Treatment	TH
Ambient Air Temperature For Storage	-4070 °C
Ambient Air Temperature For Operation	-4070 °C
Overvoltage Category	Class II conforming to IEC 60536
Ip Degree Of Protection	IP65 conforming to IEC 60529 IP69 IP69K
Nema Degree Of Protection	NEMA 13 NEMA 4X
Ik Degree Of Protection	IK03 conforming to IEC 50102
Standards	JIS C8201-5-1 CSA C22.2 No 14 UL 508 EN/IEC 60947-5-4 EN/IEC 60947-5-1 EN/IEC 60947-1 JIS C8201-1

Product Certifications	BV CSA UL listed RINA GL	
	DNV	
	LROS (Lloyds register of shipping)	
Vibration Resistance	5 gn (f= 2500 Hz) conforming to IEC 60068-2-6	
Shock Resistance 10 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	4.500 cm
Package 1 Width	5.500 cm
Package 1 Length	9.000 cm
Package 1 Weight	63.000 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	42
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	2.879 kg
Unit Type Of Package 3	P06
Number Of Units In Package 3	672
Package 3 Height	75.000 cm
Package 3 Width	80.000 cm
Package 3 Length	60.000 cm
Package 3 Weight	54.064 kg

Contractual warranty

Warranty 18 months



Green PremiumTM **label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance

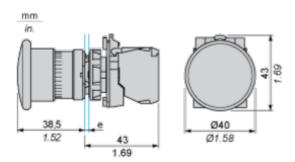
⊘	Reach Free Of Svhc	
⊘	Toxic Heavy Metal Free	
⊘	Mercury Free	
⊘	Rohs Exemption Information	Yes

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



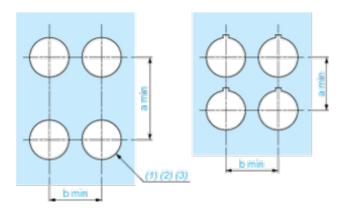
e: clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.

XB5AC21

Mounting and Clearance

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

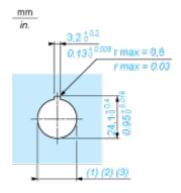
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (1) Diameter on finished panel or support
- (2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.
- (3) Ø22.5 mm recommended (Ø22.3 $_0^{+0.4}$) / Ø0.89 in. recommended (Ø0.88 in. $_0^{+0.016}$)

				0
Connections	a in mm	a in in.	b in mm	b in in.
By screw clamp terminals or plug-in connector	40	1.57	30	1.18
By Faston connectors	45	1.77	32	1.26
On printed circuit board	30	1.18	30	1.18

Detail of Lug Recess



- (1) Diameter on finished panel or support
- (2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.
- (3) Ø22.5 mm recommended (Ø22.3 $_0^{+0.4}$) / Ø0.89 in. recommended (Ø0.88 in. $_0^{+0.016}$)