

Product data sheet

Characteristics

XB5AA21

Push button, plastic, flush, black, Ø22, spring return, unmarked, 1 NO



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 diameter	0.87 in (22 mm)
Sale per indivisible quantity	1
Shape of signaling unit head	Round
Type of operator	Spring return
Operator profile	Black flush, unmarked
Contacts type and composition	1 NO
Contact operation	Slow-break
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm ² with cable end EN/IEC 60947-1 Screw clamp terminals, 1 x 0.22...2 x 2.5 mm ² without cable end conforming to EN/IEC 60947-1

Complementary

Height	1.65 in (42 mm)
Maximum Width	1.18 in (30 mm)
Depth	2.05 in (52 mm)
Terminals description ISO n°1	(13-14)NO
Net Weight	0.08 lb(US) (0.037 kg)
Resistance to high pressure washer	7000000 Pa at 55 °C, distance : 0.1 m
Contacts usage	Standard contacts
Positive opening	Without
Operating travel	2.6 Mm (NO changing electrical state) 4.3 mm (total travel)
Operating force	3.8 N NO changing electrical state
Mechanical durability	10000000 cycles
Tightening torque	7.08...10.62 lbf.in (0.8...1.2 N.m) EN 60947-1
Shape of screw head	Cross Philips no 1 Cross pozidriv No 1 Slotted flat Ø 4 mm Slotted flat Ø 5.5 mm
Contacts material	Silver alloy (Ag/Ni)
Short-circuit protection	10 A cartridge fuse gG EN/IEC 60947-5-1
[Ith] conventional free air thermal current	10 A EN/IEC 60947-5-1
[Ui] rated insulation voltage	600 V 3)EN/IEC 60947-1
[Uiimp] rated impulse withstand voltage	6 kV EN/IEC 60947-1

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or operator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

[le] rated operational current	3 A 240 V, AC-15, A600 EN/IEC 60947-5-1 6 A 120 V, AC-15, A600 EN/IEC 60947-5-1 0.1 A 600 V, DC-13, Q600 EN/IEC 60947-5-1 0.27 A 250 V, DC-13, Q600 EN/IEC 60947-5-1 0.55 A 125 V, DC-13, Q600 EN/IEC 60947-5-1 1.2 A 600 V, AC-15, A600 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	Δ < 10exp(-6) 5 V 1 mA in clean environment EN/IEC 60947-5-4 Δ < 10exp(-8) 17 V 5 mA in clean environment EN/IEC 60947-5-4
Device presentation	Complete product
Customizable	Yes
Customizable	1
GCR BRIDGE	XB5AACUST01
Compatibility code	XB5

Environment

Protective treatment	TH
Ambient air temperature for storage	-40...158 °F (-40...70 °C)
Ambient air temperature for operation	-40...158 °F (-40...70 °C)
Overvoltage category	Class II 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	EN/IEC 60947-1 UL 508 JIS C8201-5-1 EN/IEC 60947-5-4 EN/IEC 60947-5-1 CSA C22.2 No 14 JIS C8201-1
Product certifications	UL Listed CSA RINA BV DNV LROS (Lloyds register of shipping) GL
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

Ordering and shipping details

Category	22467 - PUSHBUTTONS,22MM(PLASTIC) NEW
Discount Schedule	CS2
GTIN	00785901383475
Nbr. of units in pkg.	1
Package weight(Lbs)	0.08 lb(US) (0.04 kg)
Returnability	Yes
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.38 in (3.5 cm)
Package 1 width	2.17 in (5.5 cm)
Package 1 Length	3.43 in (8.7 cm)

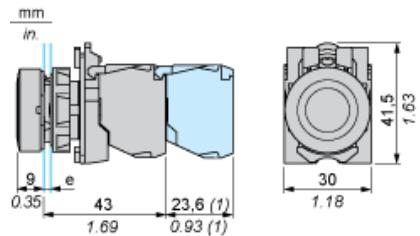
Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACH Regulation	 REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	 Yes
China RoHS Regulation	 China RoHS Declaration
Environmental Disclosure	 Product Environmental Profile
Circularity Profile	 End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Contractual warranty

Warranty	18 months
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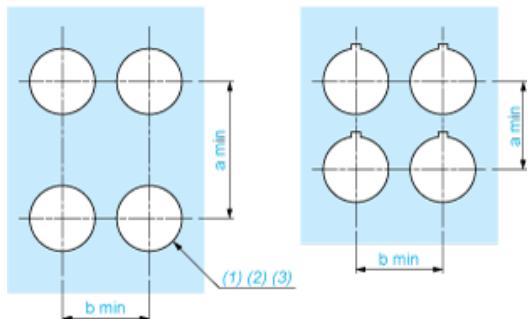
Dimensions



e: clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.
(1) Additional row of contacts or double contact

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 ($\varnothing 22.3 \text{ mm}^{+0.4}_{-0.2}$) / Ø0.89 in. recommended ($\varnothing 0.88 \text{ in.}^{+0.016}_{-0.008}$)

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 ($\varnothing 22.3 \text{ mm}^{+0.4}_{-0.2}$) / Ø0.89 in. recommended ($\varnothing 0.88 \text{ in.}^{+0.016}_{-0.008}$)