

XB5AP31

green projecting complete pushbutton Æ22
spring return 1NO unmarked

Product availability: Non-Stock - Not normally stocked in distribution facility



Main

Range of product	Harmony XB5
Product or component type	Complete push-button
Device short name	XB5
Product compatibility	Not compatible with legend holder
Bezel material	Dark grey plastic 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	Green projecting unmarked
Operator additional information	Clear boot
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 0.22...2 x 2.5 mm² without cable end conforming to EN/IEC 60947-1

Complementary

Height	1.65 in (42 mm)
Width	1.18 in (30 mm)
Depth	2.4 in (61 mm)
Terminals description ISO n°1	(13-14)NO
Product weight	0.09 lb(US) (0.039 kg)
Resistance to high pressure washer	1015.26 psi (7000000 Pa) at 131 °F (55 °C), distance: 0.1 m
Contacts usage	Standard contacts
Positive opening	Without positive opening
Operating travel	0.1 in (2.6 mm) (NO changing electrical state) 0.17 in (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) 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/IEC 60947-1
[Uimp] rated impulse withstand voltage	6 kV conforming to EN/IEC 60947-1

[I _e] 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	$\Lambda < 10\exp(-6)$ at 5 V, 1 mA in clean environment conforming to EN/IEC 60947-5-4 $\Lambda < 10\exp(-8)$ at 17 V, 5 mA in clean environment conforming to EN/IEC 60947-5-4

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)
IP degree of protection	IP67 IP66 conforming to IEC 60529
NEMA degree of protection	NEMA 13 NEMA 4X
IK degree of protection	IK03 conforming to IEC 50102
Standards	JIS C 4520 UL 508 CSA C22.2 No 14 EN/IEC 60947-5-4 EN/IEC 60947-5-1 EN/IEC 60947-1
Product certifications	GL RINA CSA LROS (Lloyds register of shipping) UL listed DNV BV
Vibration resistance	5 gn (f = 2...500 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn (duration = 18 ms) half sine wave acceleration conforming to IEC 60068-2-27 50 gn (duration = 11 ms) half sine wave acceleration conforming to IEC 60068-2-27

Ordering and shipping details

Category	22467 - PUSHBUTTONS,22MM(PLASTIC) NEW
Discount Schedule	CS2
GTIN	00785901383802
Nbr. of units in pkg.	1
Package weight(Lbs)	0.20000000000000001
Returnability	N
Country of origin	FR

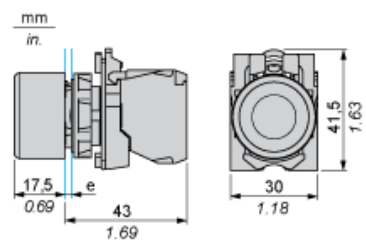
Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including:
- - - - - Substance 1	Nickel compounds, which is known to the State of California to cause cancer, and
- - - - - Substance 2	Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.
- - - - - More information	For more information go to www.p65warnings.ca.gov

Contractual warranty

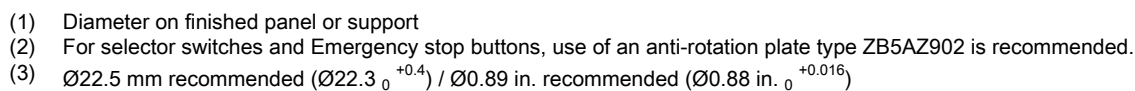
Warranty period	18 months
-----------------	-----------

Dimensions



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

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



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

Technical drawing of a hole in a plate. The drawing shows a circular hole with a diameter of $3.2^{+0.2}_{-0.13}$ mm. The hole is located in a plate with a thickness of $24.1^{+0.4}_{-0.05}$ mm. The hole is positioned at a distance of $0.13^{+0.008}_{-0.000}$ mm from the top edge of the plate. The hole is also positioned at a distance of $0.95^{+0.06}_{-0.000}$ mm from the bottom edge of the plate. The hole is labeled (1) (2) (3).

- (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 (Ø22.3₀^{+0.4}) / Ø0.89 in. recommended (Ø0.88 in.₀^{+0.016})

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Schneider Electric:](#)

[XB5AP31](#)