Product datasheet

Specifications





black flush pushbutton Ø22 - push push-to-release 1NO+1NC screw clamp terminals

XB7NH25

Main

Range Of Product	Harmony XB7	
Product Or Component Type	Push-button	
Device Short Name	ХВ7	
Mounting Diamete	22 mm	
Sale Per Indivisible Quantity	10	
Ip Degree Of Protection	IP20 (rear face) conforming to IEC 60529 IP65 (front face) conforming to IEC 60529	
Shape Of Signaling Unit Head	Round	
Type Of Operator	push and push-to-release	
Operator Profile	Black flush	
Contacts Type And Composition	1 NO + 1 NC	
Connections - Terminals	Screw clamp terminals, <= 2 x 1.5 mm ² with cable end conforming to IEC 60947-1 Screw clamp terminals, 1 x 0.342 x 2.5 mm ² without cable end conforming to IEC 60947-1	
Device Presentation	Monolithic product	

Complementary

29 mm
29 mm
51.5 mm
(21-22)NC (13-14)NO
0.021 kg
Fixing hole - diameter: 22.5 mm 22.3 +0.4/0 conforming to IEC 60947-1
>= 30 x 40 mm (support panel) metal - thickness: 16 mm >= 30 x 40 mm (support panel) plastic - thickness: 26 mm
Fixing nut beneath head: 22.4 N.m
Unmarked
Slow-break
With NC contact conforming to IEC 60947-5-1 appendix K
300000 cycles
0.81.2 N.m conforming to IEC 60947-1

Disclaimer: 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

Price is "List Price" and may be subject to a trade discount - check with your local distributor or retailer for actual price.

Shape Of Screw Head	Cross compatible with JIS No 1 screwdriver	
	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	
Short-Circuit Protection	4 A cartridge fuse type gG conforming to IEC 60947-5-1	
[Ui] Rated Insulation Voltage	250 V (pollution degree 3) conforming to IEC 60947-1	
[Uimp] Rated Impulse Withstand Voltage	4 kV conforming to IEC 60947-1	
[le] Rated Operational Current	0.1 A at 250 V, DC-13, R300 conforming to IEC 60947-5-1	
	0.22 A at 125 V, DC-13, R300 conforming to IEC 60947-5-1	
	0.3 A at 240 V, AC-14, D300 conforming to IEC 60947-5-1	
	0.6 A at 120 V, AC-14, D300 conforming to IEC 60947-5-1	
Electrical Durability	1000000 cycles, DC-13, 0.3 A at 24 V, operating rate <216000 cyc/mn, load factor:	
	0.5 conforming to IEC 60947-5-1 appendix C	
	1000000 cycles, AC-15, 0.03 A at 230 V, operating rate <216000 cyc/mn, load factor:	
	0.5 conforming to IEC 60947-5-1 appendix C	
	1000000 cycles, AC-15, 0.09 A at 240 V, operating rate <108000 cyc/mn, load factor:	
	0.5 conforming to IEC 60947-5-1 appendix C	
Electrical Reliability	∧ <= 10exp(-6) at 17 V, 5 mA conforming to IEC 60947-5-4	
Electrical Reliability	$\Lambda \leq 10 \exp(-6)$ at 17 V, 5 mA conforming to IEC 60947-5-4	

Environment

Protective Treatment	ТН
Ambient Air Temperature For Storage	-4070 °C
Ambient Air Temperature For Operation	-2570 °C
Overvoltage Category	Class II conforming to IEC 61140
Nema Degree Of Protection	NEMA 12 conforming to UL 50 E NEMA 3 conforming to UL 50 E
Standards	IEC 60947-1 CSA C22.2 No 14 JIS C8201-5-1 UL 508 IEC 60947-5-1 JIS C8201-1
Product Certifications	CCC GOST
Vibration Resistance	5 gn (f= 2500 Hz) conforming to IEC 60068-2-6
Shock Resistance	50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27 30 gn (duration = 18 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	3 cm
Package 1 Width	12 cm
Package 1 Length	12 cm
Package 1 Weight	23 g

Contractual warranty

Warranty

18 months

Sustainability Screen Premium

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

Toxic Heavy Metal Free
Mercury Free
Rohs Exemption Information Yes

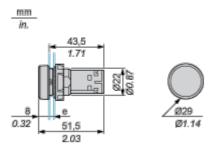
Certifications & Standards

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

Pushbutton, Flush Type

Dimensions



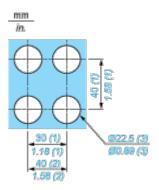
e Support panel thickness: 1 to 6 mm/0.4 to 0.24 in. (metal), 2 to 6 mm/0.8 to 0.24 in. (plastic).

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Mounting and Clearance

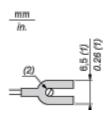
Mounting

Diameter of Finished Fixing Holes



- (1) Minimum value.
- (2) 40 mm/1.58 in. for Emergency switching off pushbutton only.
- (3) Standard value: Ø 22.3 (0; + 0.4) mm/Ø 0.88 (0; + 0.02) in.

"U" Type Tag Connection



- (1) 6.5 mm/0.26 in. recommended, 7 mm/0.28 in. max.
- (2) M3 screw clamp terminal.

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Connections and Schema

Wiring

