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

XB5AA51

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	22 mm			
Sale per indivisible quantity	1			
Shape of signaling unit head	Round			
Type of operator	spring return			
Operator profile	Yellow flush, unmarked			
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			

Complementary

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Height	42 mm	
Width	30 mm	
Depth	52 mm	
Terminals description ISO n°1	(13-14)NO	
Net weight	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	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 \emptyset 4 mm screwdriver Slotted compatible with flat \emptyset 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				
	1				
GCR BRIDGE	XB5AACUST01				
Compatibility code	XB5				
Environment					
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	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 60947-5-1 CSA C22.2 No 14 EN/IEC 60947-5-4 JIS C8201-5-1 EN/IEC 60947-1 UL 508 JIS C8201-1				
Product certifications	UL listed BV CSA RINA LROS (Lloyds register of shipping) DNV GL				

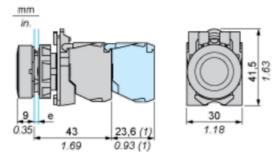
Vibration resistance	5 gn (f= 2500 Hz) conforming to IEC 60068-2-6				
Shock resistance	30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27 50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27				
Packing Units					
Unit Type of Package 1	PCE				
Number of Units in Package 1	1				
Package 1 Height	8.800 cm				
Package 1 Width	3.400 cm				
Package 1 Length	5.400 cm				
Package 1 Weight	36 g				
Unit Type of Package 2	S03				
Number of Units in Package 2	150				
Package 2 Height	30.000 cm				
Package 2 Width	30.000 cm				
Package 2 Length	40.000 cm				
Package 2 Weight	5.870 kg				
Unit Type of Package 3	P06				
Number of Units in Package 3	1200				
Package 3 Height	77.000 cm				
Package 3 Width	80.000 cm				
Package 3 Length	60.000 cm				
Package 3 Weight	57.404 kg				
Offer Sustainability					
Sustainable offer status	Green Premium product				
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				
China RoHS Regulation	China RoHS declaration				
RoHS exemption information	Yes				
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				

Product datasheet

XB5AA51

Dimensions Drawings

Dimensions



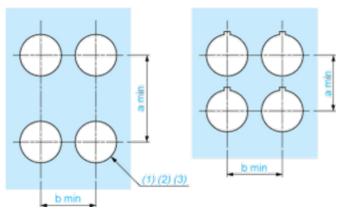
 $\boldsymbol{e}\text{:}$ clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.

(1) Additional row of contacts or double contact

Mounting and Clearance

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

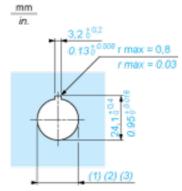
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (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. $_0^{+0.016}$)

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

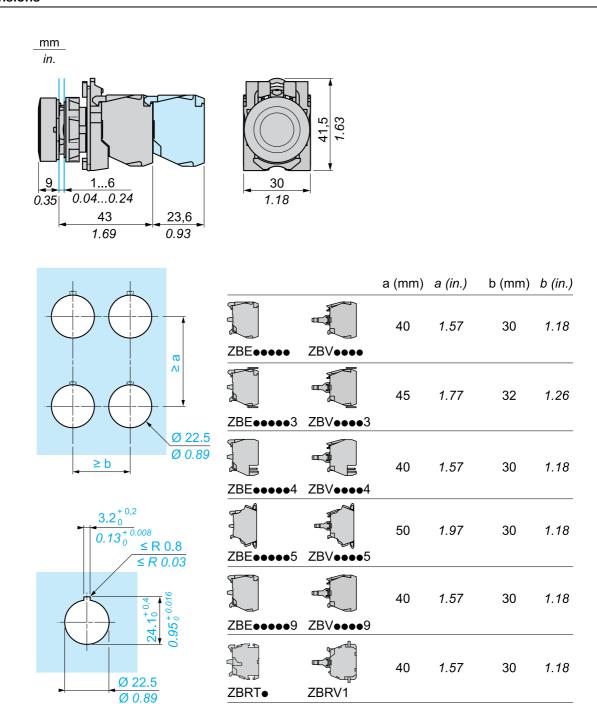
Detail of Lug Recess



- (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. $_0^{+0.016}$)

Technical Illustration

Dimensions



Recommended replacement(s)