XB5AW73731B5

green flush/red projecting illuminated doubleheaded pushbutton Ø22 1NO+1NC 24V



Main Commercial Status Commercialised Range of product Harmony XB5 Product or component Complete illuminated double-headed pushbutton type Device short name XB5 Bezel material Plastic Fixing collar material Plastic Mounting diameter 22 mm Shape of signaling unit Rectangular head Type of operator Spring return Operator profile 1 flush - 1 projecting pushbuttons - 1 central pilot Green "I" - red "O" Operators description Contacts type and com-1 NO + 1 NC position Contacts operation Slow-break Connections - terminals Spring terminals: >= 1 x 0.22 mm² without cable end conforming to EN/IEC 60947-1 Spring terminals: <= 2 x 1.5 mm² with cable end conforming to EN/IEC 60947-1 Screw clamp terminals: >= 1 x 0.22 mm² without cable end conforming to EN/IEC 60947-1 Screw clamp terminals: <= 2 x 1.5 mm² with cable end conforming to EN/IEC 60947-1 Light source Protected LED Bulb base Integral LED 24 V AC/DC, 50/60 Hz [Us] rated supply volt-

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Comp	lement	arv

Complementary	
Height	50 mm
Width	30 mm
Depth	59 mm
Terminals description ISO n°1	(11-12)NC
	(13-14)NO
Product weight	0.066 kg
Resistance to high pressure washer	7000000 Pa at 55 °C,distance: 0.1 m
Colour of marking	Black marking when white caps
	White marking when green, red or black caps
Operator profile	Red projecting, white O
	Green flush, white I
Contacts usage	Standard contacts
Positive opening	With positive opening conforming to EN/IEC 60947-5-1 appendix K
Operating travel	4.3 mm (total travel)
	2.6 mm (NO changing electrical state)
	1.5 mm (NC changing electrical state)
Operating force	3.8 N (NO changing electrical state)
	3.5 N (NC changing electrical state)
Mechanical durability	1000000 cycles
Tightening torque	0.81.2 N.m conforming to EN 60947-1

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Shape of screw head	Slotted head compatible with flat Ø 5.5 mm screwdriver Slotted head compatible with flat Ø 4 mm screwdriver Cross head compatible with pozidriv No 1 screwdriver		
	Cross head compatible with Philips no 1 screwdriver Cross head compatible with JIS No 1 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 [Uimp] rated impulse withstand voltage	600 V (degree of pollution: 3) conforming to EN 60947-1		
[le] rated operational current	6 kV conforming to EN 60947-1 1.2 A at 600 V, AC-15, A600 conforming to EN/IEC 60947-5-1 0.55 A at 125 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 0.1 A at 600 V, DC-13, Q600 conforming to EN/IEC 60947-5-1 6 A at 120 V, AC-15, A600 conforming to EN/IEC 60947-5-1		
	3 A at 240 V, AC-15, A600 conforming to EN/IEC 60947-5-1		
Electrical durability	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 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, 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, 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, 2 A at 230 V, operating rate: 3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C		
Electrical reliability IEC 60947-5-4	Λ < 10exp(-8) at 17 V, 5 mA in clean environment conforming to EN/IEC 60947-5-4 Λ < 10exp(-6) at 5 V, 1 mA in clean environment conforming to EN/IEC		
	60947-5-4		
Signalling type	Steady		
Light source colour	Yellow		
Supply voltage limits	21.626.4 V AC 19.230 V DC		
Current consumption	18 mA		
Service life	100000 yr at rated voltage and 25 °C		
Surge withstand	1 kV conforming to IEC 61000-4-5		
Environment			
Protective treatment	TH		
Ambient air temperature for storage	-4070 °C		
Ambient air temperature for operation	-2570 °C		
Class of protection against electric shock	Class II conforming to IEC 61140		
IP degree of protection	IP69 K conforming to IEC 60529 IP66 conforming to IEC 60529		
NEMA degree of protection	NEMA 4X NEMA 13		
IK degree of protection	IK05 conforming to IEC 50102		
Standards	EN/IEC 60947-1 EN/IEC 60947-5-1 EN/IEC 60947-5-4 JIS C 4520 UL 508 CSA C22.2 No 14		
Product certifications	BV CSA DNV GL LROS (Lloyds register of shipping) RINA UL listed		
Vibration resistance	5 gn (f = 2500 Hz) conforming to IEC 60068-2-6		
Shock resistance	50 gn for 11 ms half sine wave acceleration conforming to IEC 60068-2-27 30 gn for 18 ms half sine wave acceleration conforming to IEC 60068-2-27		
Resistance to fast transients	2 kV conforming to IEC 61000-4-4		



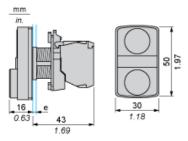
Resistance to electrostatic discharge	8 kV in free air (in insulating parts) conforming to IEC 61000-4-2 6 kV on contact (on metal parts) conforming to IEC 61000-4-2
Electromagnetic emission	Class B conforming to IEC 55011



Product data sheet Dimensions Drawings

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Dimensions

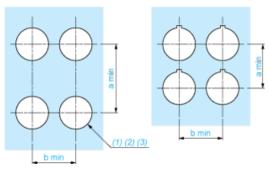


e: clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.

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

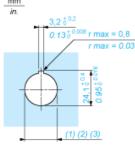
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- 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



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