

Characteristics

XB6ECW1J2P

white illuminated pushbutton Ø 16 - flush spring
return - 12 V - 20C



Main

Range of product	Harmony XB6E
Product or component type	Illuminated monolithic pushbutton
Device short name	XB6
Bezel material	Plastic
Mounting diameter	16 mm
Sale per indivisible quantity	5
Shape of signaling unit head	Square
Type of operator	Spring return
Operator profile	White flush
Contacts operation	Snap action
Connections - terminals	Faston connectors: 2.8 x 0.5 mm Soldered connectors
Contacts material	Gold-flashed silver
Light source	Integral LED
[Us] rated supply voltage	12 V

Complementary

CAD overall width	18 mm
CAD overall height	18 mm
CAD overall depth	40 mm
Terminals description ISO n°1	(13-14-11-12)OF (23-24-21-22)OF
Product weight	0.006 kg
Operating position	Any position
Marking	CE
Operating force	1.3 N (C/O changing electrical state)
Short circuit protection	3 A by gG cartridge fuse
[Ith] conventional free air thermal current	3 A
[Ui] rated insulation voltage	250 V (degree of pollution: 2) conforming to IEC 60947-1
[Uimp] rated impulse withstand voltage	2.5 kV conforming to IEC 60947-1
Electrical durability	100000 cycles DC-12, 1 A - 30 V conforming to IEC 60947-5-1 appendix C 100000 cycles AC-12, 0.5 A - 125 V conforming to IEC 60947-5-1 appendix C 100000 cycles AC-12, 0.5 A - 250 V conforming to IEC 60947-5-1 appendix C 100000 cycles DC-12, 0.2 A - 110 V conforming to IEC 60947-5-1 appendix C
Electrical reliability IEC 60947-5-4	$\hat{I}_b < 10 \exp(-8)$ at 5 V and 1 mA with confidence level of 90 % conforming to IEC 60947-5-4
Signalling type	Steady
Current consumption	20 mA
Service life	50000 h

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Environment

Ambient air temperature for storage	-40...55 °C
Ambient air temperature for operation	-25...55 °C
Class of protection against electric shock	Class II conforming to IEC 60536
IP degree of protection	IP65 conforming to IEC 60529
Standards	CSA C22-2 No 14 IEC 60947-1 IEC 60947-5-1 IEC 60947-5-5 JIS C 4520 JIS C 852 UL 508
Product certifications	CSA UL
Vibration resistance	1 mm (5 - 55 Hz) conforming to IEC 60068-2-6 9 gn (5 - 55 Hz) conforming to IEC 60068-2-6
Shock resistance	20 gn for 11 ms half sine wave acceleration conforming to IEC 60068-2-27
Resistance to electrostatic discharge	8 kV conforming to IEC 61000-4-2