



Main

Commercial Status	Commercialised
Range of product	Harmony XB6E
Product or component type	Illuminated monolithic pushbutton
Device short name	XB6E
Bezel material	Plastic
Mounting diameter	16 mm
Sale per indivisible quantity	5
Shape of signaling unit head	Square
Type of operator	Latching
Operator profile	Orange flush
Contacts type and composition	2 C/O
Contacts operation	Snap action
Connections - terminals	Soldered connectors Faston connectors: 2.8 x 0.5 mm
Contacts material	Gold-flashed silver
Light source	Integral LED
[Us] rated supply voltage	24 V

Complementary

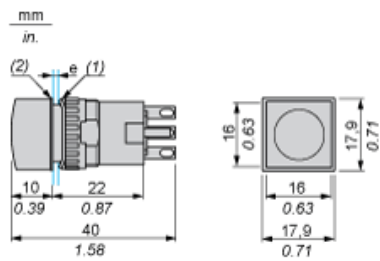
Height	18 mm
Width	18 mm
Depth	40 mm
Terminals description ISO n°1	(13-14-11-12)OF (23-24-21-22)OF
Product weight	0.006 kg
Overvoltage category	II conforming to IEC 60536
Operating position	Any position
Marking	CE
Operating force	1.3 N (C/O changing electrical state)
Mechanical durability	250000 cycles
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	50000 cycles AC-12, 0.5 A - 250 V conforming to IEC 60947-5-1 appendix C 50000 cycles AC-12, 0.5 A - 125 V conforming to IEC 60947-5-1 appendix C 50000 cycles DC-12, 1 A - 30 V conforming to IEC 60947-5-1 appendix C
Electrical reliability IEC 60947-5-4	$\Lambda = 10\exp(-8)$ at 5 V and 1 mA with confidence level of 90 % conforming to IEC 60947-5-4
Signalling type	Steady
Current consumption	10 mA
Service life	50000 h

Environment

Ambient air temperature for storage	-40...70 °C
Ambient air temperature for operation	-10...55 °C
IP degree of protection	IP65 conforming to IEC 60529
Standards	IEC 60947-1 IEC 60947-5-1 JIS C 4520 JIS C 852 UL 508 CSA C22.2 No 14
Product certifications	CCC CURus
Vibration resistance	9 gn (5...55 Hz) conforming to IEC 60068-2-6 1 mm (5...55 Hz) conforming to IEC 60068-2-6
Shock resistance	20 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27
Electromagnetic compatibility	Electrostatic discharge immunity test 8 kV - test level conforming to IEC 61000-4-2

Pushbutton

Square Head



- (1) Anti-rotation plate (thickness: 0.6 mm / 0.02 in.)
- (2) Seal (thickness: 0.5 mm / 0.01 in.)
- e panel thickness: 0.5 mm (0.01 in.) ≤ e ≤ 6 mm (0.24 in.)

Panel Cut-Out and Mounting

Circular or Square Head

