Product datasheet

Specifications



Illuminated monolithic push button, Harmony XB6E, square red flush, 16mm, latching, 24V DC, 2CO

XB6ECF4B2P

Main

Range of product	Harmony XB6E
Product or component type	Illuminated monolithic push-button
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	Red flush
Contacts type and composition	2 C/O
Contact operation	Snap action
Connections - terminals	Faston connectors, connection size: 2.8 x 0.5 mm Soldered connectors
Contacts material	Gold-flashed silver
Light source	Integral LED
[Us] rated supply voltage	24 V DC polarised

Complementary

Height	18 mm
Width	18 mm
Depth	40 mm
Terminals description ISO n°1	(23-24-21-22)OF (13-14-11-12)OF
Net 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 cartridge fuse type gG
[Ith] conventional free air thermal current	3 A

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

[Ui] rated insulation voltage	250 V (pollution degree 2) conforming to IEC 60947-1
[Uimp] rated impulse withstand voltage	2.5 kV conforming to IEC 60947-1
Electrical durability	50000 cycles, DC-12, 1 A at 30 V conforming to IEC 60947-5-1 appendix C 50000 cycles, AC-12, 0.5 A at 125 V conforming to IEC 60947-5-1 appendix C 50000 cycles, AC-12, 0.5 A at 250 V conforming to IEC 60947-5-1 appendix C
Electrical reliability	Λ = 10exp(-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	UL 508 JIS C 4520 CSA C22.2 No 14 JIS C 852 IEC 60947-5-1 IEC 60947-1
Product certifications	CCC cURus
Vibration resistance	1 mm (f= 5…55 Hz) conforming to IEC 60068-2-6 9 gn (f= 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 - test level: 8 kV conforming to IEC 61000-4-2

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.500 cm
Package 1 Width	4.000 cm
Package 1 Length	9.000 cm
Package 1 Weight	12.400 g
Unit Type of Package 2	BB1
Number of Units in Package 2	5
Package 2 Height	3.500 cm
Package 2 Width	9.000 cm
Package 2 Length	18.500 cm
Package 2 Weight	62.000 g
Unit Type of Package 3	S01
Number of Units in Package 3	50
Package 3 Height	15.000 cm
Package 3 Width	15.000 cm

Package 3 Length	40.000 cm
Package 3 Weight	775.000 g

Contractual warranty

Warranty	18 months

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	1
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)

Use Again

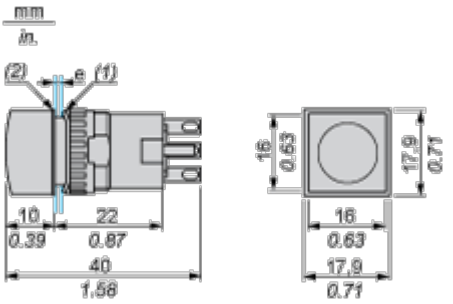
Repack and remanufacture

Circularity Profile	End of Life Information
Take-back	No
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Dimensions Drawings

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.)

Mounting and Clearance

Panel Cut-Out and Mounting

Circular or Square Head

