Product data sheet
Characteristics

XB7ED21P
Monolithic selector switch, Harmony XB7, key Ø22 mm, black, standard handle, 2 positions, 1 NO



Commercial status
End of Commercialisation : JAN 21, 2021

⚠ End of Commercialisation

Main

Range of product	Harmony XB7
Product or component type	Monolithic selector switch
Device short name	XB7
Mounting diameter	22 Mm
Sale per indivisible quantity	10
Net weight	0.025 Kg
IP degree of protection	IP20 (rear face) conforming to IEC 60529 IP54 (front face) conforming to IEC 60529
Shape of signaling unit head	Round
Type of operator	Stay put
Operator profile	Black key switch
Operator position information	2 positions 90°
Contacts type and composition	1 NO
Positive opening	Without

Complementary

CAD overall width	29 Mm
CAD overall height	29 Mm
CAD overall depth	67 Mm
Terminals description ISO n°1	(13-14)NO
Device mounting	Fixing hole - diameter: 22.5 mm 22.3 +0.4/0 conforming to EN/IEC 60947-1
Fixing center	>= 30 x 40 mm (support panel) metal - thickness: 1…6 mm >= 30 x 40 mm (support panel) plastic - thickness: 2…6 mm
Fixing mode	Fixing nut: 2…2.4 N.m
Contact operation	Slow-break
Mechanical durability	300000 Cycles
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to EN/IEC 60947-1 Screw clamp terminals, 1 x 0.34...2 x 2.5 mm² without cable end conforming to EN/IEC 60947-
Tightening torque	0.8…1.2 N.M conforming to EN 60947-1
Shape of screw head	Cross compatible with JIS No 1 screwdriver Cross compatible with Philips no 1 screwdriver Cross compatible with pozidriv No 1 screwdriver Slotted compatible with flat Ø 4 mm screwdriver Slotted compatible with flat Ø 5.5 mm screwdriver
Short-circuit protection	4 A cartridge fuse type gG conforming to EN/IEC 60947-5-1
[Ui] rated insulation voltage	250 V (pollution degree 3) conforming to EN/IEC 60947-1

[Uimp] rated impulse withstand voltage	4 KV conforming to EN/IEC 60947-1
[Ie] rated operational current	0.1 A at 250 V, DC-13, R300 conforming to EN/IEC 60947-5-1 0.22 A at 125 V, DC-13, R300 conforming to EN/IEC 60947-5-1 0.3 A at 240 V, AC-14, D300 conforming to EN/IEC 60947-5-1 0.6 A at 120 V, AC-14, D300 conforming to EN/IEC 60947-5-1
Electrical durability	1000000 Cycles, DC-13, 0.3 A at 24 V, operating rate <216000 cyc/mn, load factor: 0.5 conforming 1000000 Cycles, AC-15, 0.03 A at 230 V, operating rate <216000 cyc/mn, load factor: 0.5 conforn 1000000 Cycles, AC-15, 0.09 A at 240 V, operating rate <108000 cyc/mn, load factor: 0.5 conforn
Electrical reliability	Λ < 10exp(-6) at 17 V and 5 mA conforming to IEC 60947-5-4

Environment

Protective treatment	TH
Ambient air temperature for storage	-40…70 °C
Ambient air temperature for operation	-25…70 °C
Electrical shock protection class	Class II conforming to IEC 60536
Standards	CSA C22.2 No 14 JIS C8201-5-1 UL 508 EN/IEC 60947-5-1 EN/IEC 60947-1 JIS C8201-1
Vibration resistance	5 gn (f= 2…500 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27

Offer Sustainability

Mercury free	Yes
Sustainable packaging	No
SCIP Number	Eb133e87-3df9-4bcd-b666-23e86eb33958
EU RoHS Directive	Compliant By Exemption
California proposition 65	WARNING: This product can expose you to chemicals including: Nickel compounds, which is know
WEEE Label	The product must be disposed on European Union markets following specific waste collection and

Contractual warranty

Warranty (in months)	18

Product Life Status : End of commercialisation

XB7ED21P is replaced by the following product range:



635

Ø 22 mm monolithic plastic pushbuttons, switches and pilot lights

Substitution date: |