Product data sheet
Characteristics

XB4BD21
Selector switch, Harmony XB4, metal, black, 22mm, 2 positions, stay put, 1NO



Main

Range of product	Harmony XB4
Product or component type	Selector switch
Device short name	XB4
Bezel material	Chromium plated metal
Fixing collar material	Zamak
Mounting diameter	22.5 Mm
Sale per indivisible quantity	1
Head type	Standard
Shape of signaling unit head	Round
Type of operator	Stay put
Operator profile	Black standard handle
Operator position information	2 positions 90°
Contacts type and composition	1 NO
Contact operation	Slow-break
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to IEC 60947-1 Screw clamp terminals, >= 1 x 0.22 mm² without cable end conforming to IEC 60947-1

Complementary

Height	47 Mm
Width	30 Mm
Depth	68 Mm
Terminals description ISO n°1	(13-14)NO
Net weight	0.095 Kg
Resistance to high pressure washer	7000000 Pa at 55 °C, distance : 0.1 m
Contacts usage	Standard contacts
Positive opening	Without
Torque value	0.14 N.M NO changing electrical state
Mechanical durability	1000000 Cycles
Tightening torque	0.8…1.2 N.M conforming to IEC 60947-1
Shape of screw head	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
Contacts material	Silver alloy (Ag/Ni)
Short-circuit protection	10 A cartridge fuse type gG conforming to IEC 60947-5-1
[Ith] conventional free air thermal current	10 A conforming to IEC 60947-5-1
[Ui] rated insulation voltage	600 V (pollution degree 3) conforming to IEC 60947-1
[Uimp] rated impulse withstand voltage	6 KV conforming to IEC 60947-1

[Ie] rated operational current	3 A at 240 V, AC-15, A600 conforming to IEC 60947-5-1 6 A at 120 V, AC-15, A600 conforming to IEC 60947-5-1 0.1 A at 600 V, DC-13, Q600 conforming to IEC 60947-5-1 0.27 A at 250 V, DC-13, Q600 conforming to IEC 60947-5-1 0.55 A at 125 V, DC-13, Q600 conforming to IEC 60947-5-1 1.2 A at 600 V, AC-15, A600 conforming to IEC 60947-5-1
Electrical durability	1000000 Cycles, AC-15, 2 A at 230 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to E 1000000 Cycles, AC-15, 3 A at 120 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to E 1000000 Cycles, AC-15, 4 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EI 1000000 Cycles, DC-13, 0.2 A at 110 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to 1000000 Cycles, DC-13, 0.5 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to
Electrical reliability	Λ < 10exp(-6) at 5 V and 1 mA in clean environment conforming to IEC 60947-5-4 Λ < 10exp(-8) at 17 V and 5 mA in clean environment conforming to IEC 60947-5-4
Device presentation	Complete product

Environment

Protective treatment	TH
Ambient air temperature for storage	-40…70 °C
Ambient air temperature for operation	-40…70 °C
Overvoltage category	Class I conforming to IEC 60536
IP degree of protection	IP69 IP69K IP67 conforming to IEC 60529
NEMA degree of protection	UL type 4X/13
Standards	CSA C22.2 No 14 IEC 60947-5-1 JIS C8201-5-1 IEC 60947-1 IEC 60947-5-4 IEC 60947-5-5 UL 508 JIS C8201-1
Product certifications	BV[RETURN]UL[RETURN]CSA[RETURN]DNV[RETURN]LROS (Lloyds register of shipping)
Vibration resistance	5 gn (f= 2…500 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27 50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.400 Cm
Package 1 Width	5.300 Cm
Package 1 Length	8.900 Cm
Package 1 Weight	95.000 G
Unit Type of Package 2	S03
Number of Units in Package 2	100
Package 2 Height	30.000 Cm
Package 2 Width	30.000 Cm
Package 2 Length	40.000 Cm
Package 2 Weight	10.055 Kg
Unit Type of Package 3	P06
Number of Units in Package 3	800
Package 3 Height	75.000 Cm
Package 3 Width	60.000 Cm
Package 3 Length	80.000 Cm
Package 3 Weight	90.364 Kg

Offer Sustainability

Recyclability potential, in %	0
Total lifecycle Carbon footprint	0.9 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	0.66275
Carbon footprint of the manufacturing phase [A1 to A3]	0.7 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.01302
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.016101
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	0.061943
REACh free of SVHC	Yes
Carbon footprint of the use phase [B2, B3, B4, B6]	0.1 kg CO2 eq.
Toxic heavy metal free	Yes
Mercury free	Yes
Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	0.11435
Carbon footprint of the end-of-life phase [C1 to C4]	0.1 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	1
Average percentage of recycled plastic content	49 %
Average percentage of recycled metal content	19 %
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
REACh Regulation	Free of Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, w
Product repair index	A
End of life manual availability	End Of Life Information
Take-back	No

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised