Product data sheet
Characteristics

XB5AC42
black Ø40 mushroom pushbutton head Ø22 spring return 1NO



Commercial status
End of Commercialisation : JAN 29, 2021

⚠ End of Commercialisation

Main

Range of product	Harmony XB5
Product or component type	Push-button
Device short name	XB5
Bezel material	Plastic
Fixing collar material	Plastic
Mounting diameter	22 Mm
Sale per indivisible quantity	1
Shape of signaling unit head	Round
Type of operator	Spring return
Operator profile	Black mushroom Ø 40 mm
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 EN/IEC 60947-1 Screw clamp terminals, 1 x 0.22...2 x 2.5 mm² without cable end conforming to EN/IEC 60947- Faston connectors, connection size: 1 x 6.35 mm Faston connectors, connection size: 2 x 2.8 mm

Complementary

Height	43 Mm
Width	40 Mm
Depth	82 Mm
Net weight	0.062 Kg
Resistance to high pressure washer	7000000 Pa at 55 °C, distance : 0.1 m
Contacts usage	Standard contacts
Positive opening	Without
Operating travel	1.5 Mm (NC changing electrical state) 2.6 Mm (NO changing electrical state) 4.3 Mm (total travel)
Operating force	3.5 N NC changing electrical state 3.8 N NO changing electrical state
Mechanical durability	5000000 Cycles
Tightening torque	0.8…1.2 N.M conforming to EN 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 EN/IEC 60947-5-1

[Ith] conventional free air thermal current	10 A conforming to EN/IEC 60947-5-1
[Ui] rated insulation voltage	600 V (pollution degree 3) conforming to EN/IEC 60947-1
[Uimp] rated impulse withstand voltage	6 KV conforming to EN/IEC 60947-1
[Ie] rated operational current	3 A at 240 V, AC-15, A600 conforming to EN/IEC 60947-5-1 6 A at 120 V, AC-15, A600 conforming to EN/IEC 60947-5-1 0.1 A at 600 V, DC-13, Q600 conforming to EN/IEC 60947-5-1 0.27 A at 250 V, DC-13, Q600 conforming to EN/IEC 60947-5-1 0.55 A at 125 V, DC-13, Q600 conforming to EN/IEC 60947-5-1 1.2 A at 600 V, AC-15, A600 conforming to EN/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 EI 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 EN 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 E
Electrical reliability	Λ < 10exp(-6) at 5 V and 1 mA in clean environment conforming to EN/IEC 60947-5-4 Λ < 10exp(-8) at 17 V and 5 mA in clean environment conforming to EN/IEC 60947-5-4
Device presentation	Complete product
Compatibility code	XB5

Environment

Protective treatment	TH
Ambient air temperature for storage	-40…70 °C
Ambient air temperature for operation	-25…70 °C
Overvoltage category	Class II conforming to IEC 60536
IP degree of protection	IP65 conforming to IEC 60529
IK degree of protection	IK03 conforming to IEC 50102
Product certifications	GL[RETURN]LROS (Lloyds register of shipping)[RETURN]UL listed[RETURN]CSA[RETURN]BV[F
Vibration resistance	5 gn (f= 2…500 Hz) conforming to IEC 60068-2-6
Shock resistance	10 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27

Offer Sustainability

Recyclability potential, in %	0.28737936112194723
Total lifecycle Carbon footprint	0.4 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	0.29222504482492223
Carbon footprint of the manufacturing phase [A1 to A3]	0.3 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.013767481154870852
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.01039542107849661
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	0.043112281690140856
REACh free of SVHC	Yes
Carbon footprint of the use phase [B2, B3, B4, B6]	0 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]	0.07126589388316908
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
EU RoHS Directive	Compliant
California proposition 65	WARNING: This product can expose you to chemicals including: Di-isodecyl phthalate (DIDP), whi
Product repair index	A
End of life manual availability	End Of Life Information

Contractual warranty

Warranty (in months)	18

Product Life Status : End of commercialisation

XB5AC42 is replaced by the following product range:



633

Ø 22 mm modular plastic pushbuttons, switches, and pilot lights

Substitution date: |