Product data sheet
Characteristics

XB4BS8446
Emergency stop switching off, Harmony XB4, metal, red mushroom 40mm, 22mm, trigger latching turn to release, 1NC with monitoring



Main

Range of product	Harmony XB4
Product or component type	Emergency switching off push-button Emergency stop push-button
Device short name	XB4
Bezel material	Chromium plated metal
Fixing collar material	Zamak
Mounting diameter	22.5 Mm
Sale per indivisible quantity	1
Shape of signaling unit head	Round
Type of operator	Trigger action and mechanical latching
Head type	Standard
Reset	Turn to release
Operator profile	Red mushroom Ø 40 mm, unmarked
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 0.34 mm² without cable end conforming to IEC 60947-1

Complementary

Height	47 Mm
Width	40 Mm
Depth	85 Mm
Net weight	0.117 Kg
Device mounting	Fixing hole - diameter: 22.5 mm +/- 0.2 mm
Fixing mode	By fixing collar recommended torque: 1 N.m (+/- 0.2 N.m)
Contacts usage	Monitoring contact
Positive opening	With conforming to IEC 60947-5-1 appendix K
Operating travel	1.5 Mm (NC changing electrical state) 4.3 Mm (total travel)
Operating force	47 N
Mechanical durability	300000 Cycles
Tightening torque	0.8…1.2 N.M conforming to IEC 60947-1
Shape of screw head	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 (AgNi) Silver alloy (AgSnO2)
Short-circuit protection	6 A cartridge fuse type gG conforming to IEC 60947-5-1

[Ith] conventional free air thermal current	6 A conforming to IEC 60947-5-1
[Ui] rated insulation voltage	300 V (pollution degree 3) conforming to IEC 60947-1
[Uimp] rated impulse withstand voltage	4 KV conforming to IEC 60947-1
[Ie] rated operational current	1.5 A at 240 V, AC-15, B300 conforming to IEC 60947-5-1 3 A at 120 V, AC-15, B300 conforming to IEC 60947-5-1 0.11 A at 250 V, DC-13, R300 conforming to IEC 60947-5-1 0.22 A at 125 V, DC-13, R300 conforming to IEC 60947-5-1
Electrical durability	300000 Cycles, AC-15, 2 A at 230 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IE 300000 Cycles, AC-15, 3 A at 110 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IE 300000 Cycles, AC-15, 3 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 300000 Cycles, DC-13, 0.3 A at 120 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to 300000 Cycles, DC-13, 1 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC
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 3.4 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
Electrical shock protection class	Class I conforming to IEC 60536
IP degree of protection	IP66 conforming to IEC 60529 IP67 conforming to IEC 60529 IP69 conforming to IEC 60529 IP69K conforming to ISO 20653 Type 13 conforming to UL 50E Type 12 conforming to UL 50E Type 4 conforming to UL 50E Type 4X conforming to UL 50E
IK degree of protection	IK06 conforming to IEC 60068-2-75
Standards	IEC 60947-1 IEC 60947-5-1 IEC 60947-5-5 IEC 60204-1 IEC 60947-5-4 IEC 60364-5-53 ISO 13850 UL 60947-5-1 CSA C22.2 No 60947-5-1 JIS C8201-1 JIS C8201-5-1 GB/T 14048.5 BS EN 60947-5-1 GOST IEC 60947-5-1
Product certifications	CSA[RETURN]BV[RETURN]UL listed[RETURN]LROS (Lloyds register of shipping)[RETURN]DNV
Vibration resistance	5 gn (f= 10…500 Hz) conforming to IEC 60068-2-6 25 mm peak to peak (f= 2…10 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 25 gn (duration = 6 ms) for 1000 shocks on each axis conforming to IEC 60068-2-27

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.500 Cm
Package 1 Width	5.500 Cm
Package 1 Length	9.000 Cm
Package 1 Weight	129.000 G
Unit Type of Package 2	S03
Number of Units in Package 2	80
Package 2 Height	30 Cm
Package 2 Width	30 Cm
Package 2 Length	40 Cm
Package 2 Weight	10.880 Kg

Offer Sustainability

Recyclability potential, in %	59
Total lifecycle Carbon footprint	1 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	1.2355698184
Carbon footprint of the manufacturing phase [A1 to A3]	1 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.0150957107
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.0005063602
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	0
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]	0.0135923669
Carbon footprint of the end-of-life phase [C1 to C4]	0 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	1
Average percentage of recycled plastic content	16 %
Average percentage of recycled metal content	20 %
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
WEEE Label	The product must be disposed on European Union markets following specific waste collection a

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised