Product data sheet
Characteristics

ZB2BWB51C
Light block with body and fixing collar, Harmony XB2, metal, orange, bulb 24V DC LED, 24V AC DC, 1NO



Main

Range of product	Harmony XB2
Product or component type	Complete body/contact assembly and light block
Component name	ZB2
Body type	Body for illuminated control button
Sale per indivisible quantity	1
Device presentation	Basic element
Device short name	XB2
Contact operation	Slow-break

Complementary

Mounting diameter	22.5 Mm
[Us] rated supply voltage	24 V
Contacts type and composition	1 NO
Connections - terminals	Screw clamps terminals
Bezel material	Chromium plated metal
Terminals description ISO n°1	(13-14)NO
[Ie] rated operational current AC	3 A 240 V AC-15
Auxiliary contacts operation	Standard
Bulb base	BA 9s
Bulb type	LED
[Ie] rated operational current DC	DC-13: 0.27 A at 250 V
NC auxiliary contacts	0
NO auxiliary contacts	1
Supply circuit type	AC/DC
Supply frequency	50 Hz 60 Hz
Height	40 Mm
Width	30 Mm
Depth	66.5 Mm
Net weight	0.058 Kg
Connections - terminals	Screw clamp terminal, <= 2 x 1.5 mm² with and without cable ends Screw clamp terminal, <= 1 x 2.5 mm² with and without cable ends Screw clamp terminal, >= 1 x 0.5 mm² with and without cable ends Faston terminals, connection size: 6.3 mm
Fixing mode	Fixing screw beneath head recommended torque: 0.8 N.m Fixing screw beneath head recommended torque: 1.0 N.m
Tightening torque	0.8…1.0 N.M

[Uimp] rated impulse withstand voltage	6 KV conforming to IEC 60947-1
[Ui] rated insulation voltage	600 V (pollution degree 3) conforming to IEC 60947-1
Contacts material	Silver alloy (Ag/Ni)
Contacts usage	Standard contacts
Fixing collar material	Zamak
Mechanical durability	3000000 Cycles
Electrical connection	Captive screw clamp terminal
Light block colour	Orange
Light block supply	Direct
Light source	LED
Electrical reliability	Λ < 10exp(-6) at 5 V, 1 mA in clean environment conforming to IEC 60947-5-4 Λ < 10exp(-8) at 17 V, 5 mA in clean environment conforming to IEC 60947-5-4
[Ie] rated operational current	3 A at 240 V, AC-15, A600 conforming to IEC 60947-5-1 0.27 A at 250 V, DC-13, Q600 conforming to IEC 60947-5-1
Short-circuit protection	10 A gL fuse type gG conforming to IEC 60947-5-1
[Ith] conventional free air thermal current	10 A conforming to IEC 60947-5-1
Positive opening	Without
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
Operating travel	2.88 Mm (NO changing electrical state) 5.0 Mm (total travel)
Electrical durability	1000000 Cycles, AC-15, 3 A at 240 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IE 1000000 Cycles, DC-13, 0.27 A at 250 V, operating rate <3600 cyc/h, load factor: 0.5 conforming
Protective treatment	TC/TH
Signalling type	Steady
Current consumption	< 20 mA
Service life	5000 H at rated voltage and 25 °C
Supply voltage limits	19.2…26.4 V AC/DC 50/60 Hz
[Us] rated supply voltage	24 V AC/DC 50/60 Hz
Customizable	No

Environment

Vibration resistance	5 gn (f= 2…500 Hz) conforming to IEC 60068-2-6
Standards	IEC 60947-5-1 IEC 60947-5-4 IEC 60947-1 GB/T 14048.1 GB/T 14048.5
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
Product certifications	CE[RETURN]CCC
Product compatibility	ZB2..C
IK degree of protection	IK06
IP degree of protection	IP65
Ambient air temperature for operation	-25…70 °C
Ambient air temperature for storage	-40…70 °C
Resistance to fast transients	2 KV conforming to IEC 61000-4-4
Resistance to electrostatic discharge	4 KV on contact (on metal parts) conforming to IEC 61000-4-2 8 KV in free air (in insulating parts) conforming to IEC 61000-4-2
Resistance to electromagnetic fields	10 V/M conforming to IEC 61000-4-3
Surge withstand	1 KV line to line conforming to IEC 61000-4-5 2 KV line to earth conforming to IEC 61000-4-5
Overvoltage category	Class I conforming to IEC 60536

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.09 Cm
Package 1 Width	7.37 Cm
Package 1 Length	3.09 Cm
Package 1 Weight	63.5 G
Unit Type of Package 2	S02
Number of Units in Package 2	120
Package 2 Height	15 Cm
Package 2 Width	30 Cm
Package 2 Length	40 Cm
Package 2 Weight	8 Kg
Unit Type of Package 3	P06
Number of Units in Package 3	2400
Package 3 Height	90 Cm
Package 3 Width	60 Cm
Package 3 Length	80 Cm
Package 3 Weight	156.816 Kg

Offer Sustainability

Recyclability potential, in %	65
Total lifecycle Carbon footprint	1 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	0.7521487154
Carbon footprint of the manufacturing phase [A1 to A3]	0.8 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.0221741749
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.0060330647
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	0.3785263975
REACh free of SVHC	Yes
Carbon footprint of the use phase [B2, B3, B4, B6]	0.4 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.1486038043
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
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	9e63340a-2371-4381-8f9a-5fba0ff349a4
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, wh
End of life manual availability	No need of specific recycling operations
Take-back	No

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised