Product data sheet
Characteristics

ZBRM22A0
Wireless and batteryless transmitter, Harmony XB5R, plastic, black, 2 simples action



Main

Range of product	Harmony XB5R
Product or component type	Wireless and batteryless transmitter
Device short name	XB5R
Contact operation	2 simple action push-button
Bezel material	Plastic
Fixing collar material	Plastic
Mounting diameter	22 Mm

Complementary

Kit composition	1 set of caps 1 handy box 2 transmitter 2 push-button head diameter: 22 mm 2 fixing collars
Shape of signaling unit head	Round
Type of operator	Spring return push-button with transmitter
Operator profile	Flush
Operator additional information	Set of caps
Net weight	0.2 Kg
Mechanical durability	1000000 Cycles
Operating travel	4.3 Mm (total travel)
Operating force	25 N C/O changing electrical state
Shock resistance	25 gn (duration = 6 ms) for 6000 shocks conforming to IEC 60068-2-27 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
Mechanical robustness	Free fall resistance 1000 mm conforming to IEC 60068-2-32
Communication port protocol	Zigbee green power at 2.4 GHz
Maximum sensing distance	100 M in free field 25 M transmitter in the handy box and receiver in a metal enclosure 300 M transmitter in the handy box, receiver in metal enclosure and use relay-antenna
Acquisition time	2 Ms
Response time	< 2 ms
Emission power	3 MW

Environment

Ambient air temperature for storage	-40…70 °C
Ambient air temperature for operation	-25…55 °C
IP degree of protection	IP65 (front face) conforming to IEC 60529 IP65 (front face) conforming to UL Type 12
IK degree of protection	IK03 conforming to IEC 50102
Relative humidity	95 % at 70 °C without condensation
Vibration resistance	5 gn (f= 11…500 Hz) conforming to IEC 60068-2-6 +/- 10 mm (f= 2…11 Hz) conforming to IEC 60068-2-6
Electromagnetic compatibility	Electrostatic discharge immunity test - test level: 8 kV (in free air (in insulating parts)) conforming t Electrostatic discharge immunity test - test level: 4 kV (on contact (on metal parts)) conforming to Susceptibility to electromagnetic fields - test level: 20 V/m (80...3000 MHz) conforming to IEC 610 Susceptibility to electromagnetic fields - test level: 6 V/m (3000...6000 MHz, distance = 20 m) con
Radio agreement	RSS conforming to UL 508[RETURN]ARIB T66 conforming to CSA C22.2 No 14[RETURN]ICASA[
Standards	IEC 60947-5-1 CSA C22.2 No 14 IEC 60947-1 UL 508
Product certifications	C-Tick[RETURN]CSA[RETURN]BT 2006/95/EC[RETURN]EAC[RETURN]UL[RETURN]CCC
Directives	2004/108/EC - electromagnetic compatibility 1999/5/EC - R&TTE directive

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.800 Cm
Package 1 Width	6.800 Cm
Package 1 Length	16.900 Cm
Package 1 Weight	206.000 G

Offer Sustainability

Total lifecycle Carbon footprint	2 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	1.8274133333
Carbon footprint of the manufacturing phase [A1 to A3]	2 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.0315552
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.00533632
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	0
Carbon footprint of the use phase [B2, B3, B4, B6]	0 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	0.0998837333
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	2
Packaging without single use plastic	No
SCIP Number	25b7f895-3732-43c8-9910-ef6005058640
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which
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