Product data sheet
Characteristics

ZB5RTA6
Wireless and batteryless transmitter, Harmony XB5R, push button, plastic, blue, 22mm, spring return



Main

Range of product	Harmony XB5
Product or component type	Wireless and batteryless transmitter
Device short name	XB5R
Bezel material	Dark grey plastic
Fixing collar material	Plastic
Mounting diameter	22 Mm
Transmission frequency	2405 MHz
Level or class	5M00G7W
Antenna type	Omnidirectional

Complementary

Shape of signaling unit head	Round
Operator profile	Blue flush
Max power consumption in W	1 MW
Number of channels	16
Modulation Technique	O-QPSK
Bandwidth	5 MHz
Antenna gain	0 DBi
Embedding depth	42 Mm
CAD overall height	41.5 Mm
CAD overall width	30 Mm
CAD overall depth	43 Mm
Net weight	0.045 Kg
Operating travel	4.3 Mm (total travel)
Operating force	10 N C/O changing electrical state
Mechanical robustness	Free fall resistance 1000 mm conforming to IEC 60068-2-32
Standards	CSA C22.2 No 14 IEC 60947-1 IEC 60947-5-1 UL 508
Radio agreement	ANATEL ARIB T66 FCC ICASA RSS
Communication port protocol	Zigbee green power at 2.4 GHz conforming to IEEE 802.15.4

Maximum sensing distance	100 M in free field 25 M transmitter in a plastic box type XAL D and receiver in a metal enclosure 300 M transmitter in box type XAL D, receiver in metal enclosure and use relay-antenna
Acquisition time	2 Ms
Response time	< 2 ms
Emission power	3 MW
Fixing mode	Fixing nut beneath head: 2…2.4 N.m
Station name	XALD 1...5 cut-outs XALK 2...5 cut-outs
Electrical composition code	PW1

Environment

Ambient air temperature for storage	-40…70 °C
Ambient air temperature for operation	-40…70 °C
Relative humidity	95 % at -40…70 °C without condensation
IP degree of protection	IP66 (front face) conforming to IEC 60529 IP67 (front face) conforming to IEC 60529 IP69 (front face) conforming to IEC 60529 IP69K (front face) conforming to IEC 60529
IK degree of protection	IK03 conforming to IEC 50102
Mechanical durability	1000000 Cycles
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
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
Product certifications	C-Tick[RETURN]CSA[RETURN]GOST[RETURN]BT 2006/95/EC[RETURN]UL
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	3.300 Cm
Package 1 Width	5.200 Cm
Package 1 Length	8.700 Cm
Package 1 Weight	38.000 G
Unit Type of Package 2	S01
Number of Units in Package 2	25
Package 2 Height	15 Cm
Package 2 Width	15 Cm
Package 2 Length	40 Cm
Package 2 Weight	1.149 Kg

Offer Sustainability

Total lifecycle Carbon footprint	2 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	1.3875106782
Carbon footprint of the manufacturing phase [A1 to A3]	1 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.0188567029
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.0160326789
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	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.0805124016
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 made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	E1d47e89-a4e1-4f33-a0c0-2fe5c9179aa4
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, 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