

ZB5RTC2

Wireless and batteryless transmitter, transmitter, Harmony XB5R, mushroom head 40mm, plastic, black, 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	1.57 in (40 mm)
Transmission frequency	2405 MHz
Emission class	5M00G7W
Antenna type	Omnidirectional

Complementary

Shape of signaling unit head	Round
Type of operator	Spring return push-button with transmitter
Max power consumption in W	1 mW
Number of Channels	16
Modulation technique	O-QPSK
Bandwidth	5 MHz
Antenna gain	0 dBi
Embedding Depth	1.69 in (43 mm)
CAD overall height	1.68 in (42.75 mm)
CAD overall width	1.09 in (27.8 mm)
CAD overall depth	1.13 in (28.8 mm)
Operating travel	0.17 in (4.3 mm) total travel)
Operating force	10 N C/O changing electrical state
Mechanical robustness	Free fall resistance 1000 mm EN/IEC 60068-2-32
Standards	CSA C22.2 No 14 EN/IEC 60947-1 EN/IEC 60947-5-1 UL 508
Radio agreement	ANATEL ARIB T66 FCC ICASA RSS
Communication port protocol	Zigbee green power 2.4 GHz IEEE 802.15.4
Maximum sensing distance	328.08 Ft (100 m) in free field 82.02 Ft (25 m) transmitter in a plastic box type XAL D and receiver in a metal enclosure 984.25 ft (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 17.70...21.24 lbf.in (2...2.4 N.m)
Device Composition	ZB5RZC2 ZBRT1

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Environment

Ambient Air Temperature for Storage	-40...158 °F (-40...70 °C)
Ambient Air Temperature for Operation	-40...158 °F (-40...70 °C)
Relative humidity	95 % -40...158 °F (-40...70 °C) without condensation
IP degree of protection	IP66 IEC 60529 front face) IP67 IEC 60529 front face) IP69 IEC 60529 front face) IP69K IEC 60529 front face)
IK degree of protection	IK03 IEC 50102
Mechanical durability	1000000 cycles
Shock resistance	25 gn 6 ms) 6000 shocks IEC 60068-2-27 30 gn 18 ms) half sine wave acceleration IEC 60068-2-27 50 gn 11 ms) half sine wave acceleration IEC 60068-2-27
Vibration resistance	+/- 10 mm 2...11 Hz)IEC 60068-2-6
Electromagnetic compatibility	Electrostatic discharge immunity test - test level: 8 kV (in free air (in insulating parts)) conforming to IEC 61000-4-2 Electrostatic discharge immunity test - test level: 4 kV (on contact (on metal parts)) conforming to IEC 61000-4-2 Susceptibility to electromagnetic fields - test level: 20 V/m (80...3000 MHz) conforming to IEC 61000-4-3 Susceptibility to electromagnetic fields - test level: 6 V/m (3000...6000 MHz, distance = 20 m) conforming to IEC 61000-4-3
Product Certifications	BT 2006/95/ EC[RETURN]CCC[RETURN]CSA[RETURN]GOST[RETURN]JUL[RETURN]C-tick
Directives	2004/108/EC - electromagnetic compatibility 1999/5/EC - R&TTE directive

Ordering and shipping details

Category	22470-XB5R WIRELESS PUSH BUTTON
Discount Schedule	I
GTIN	3606480571763
Returnability	Yes
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.57 in (4 cm)
Package 1 Width	2.05 in (5.2 cm)
Package 1 Length	4.88 in (12.4 cm)
Package 1 Weight	2.40 oz (68 g)
Unit Type of Package 2	S02
Number of Units in Package 2	42
Package 2 Height	5.91 in (15 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	7.35 lb(US) (3.333 kg)

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACH Regulation	 REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
China RoHS Regulation	 China RoHS Declaration

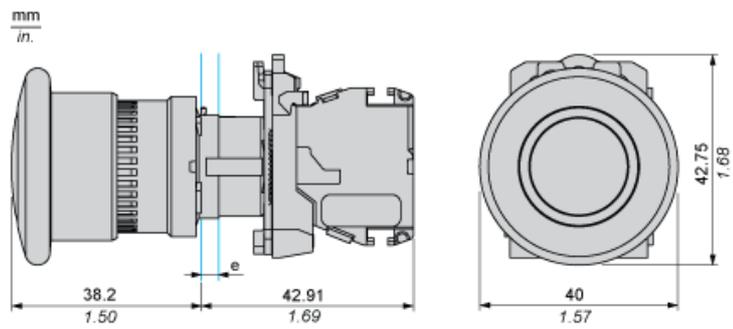
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Contractual warranty

Warranty	18 months
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Dimension Drawing

Complete Transmitter - Ø40 Mushroom Pushbutton Head Ø22 Spring Return



e: panel thickness 1 to 6 mm / 0.039 to 0.24 in.