

Transmitter for wireless and batteryless push button, Harmony XB5R, plastic, black, double action

ZBRT2

Main

Range of product	Harmony XB5	
Product or component type	Wireless and batteryless transmitter	
Device short name	XB5R	
Bezel material	Plastic	
Mounting diameter	22 mm	
Transmission frequency	2405 MHz	
emission class	5M00G7W	
Antenna type	Omnidirectional	

Complementary

1 mW
16
O-QPSK
5 MHz
0 dBi
42 mm
41.5 mm
30 mm
43 mm
0.025 kg
4.3 mm (total travel)
10 N C/O changing electrical state
Free fall resistance 1000 mm conforming to IEC 60068-2-32
CSA C22.2 No 14 IEC 60947-1 IEC 60947-5-1 UL 508
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	
Fixing mode	Fixing nut beneath head: 22.4 N.m	
Electrical composition code	PW1	

Environment

Ambient air temperature for storage	-4070 °C	
Ambient air temperature for operation	-4070 °C	
Relative humidity	95 % at -4070 °C without condensation	
IP degree of protection	IP30 (back face) conforming to IEC 60529	
IK degree of protection	IK03 conforming to IEC 50102	
Mechanical durability	400000 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= 11500 Hz) conforming to IEC 60068-2-6 +/- 10 mm (f= 211 Hz) conforming to 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 (803000 MHz) conforming to IEC 61000-4-3 Susceptibility to electromagnetic fields - test level: 6 V/m (30006000 MHz, distance = 20 m) conforming to IEC 61000-4-3	
Product certifications	CSA CCC UL GOST C-Tick BT 2006/95/EC	
Directives	2004/108/EC - electromagnetic compatibility 1999/5/EC - R&TTE directive	

Packing Units

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Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.7 cm
Package 1 Width	5.4 cm
Package 1 Length	6.2 cm
Package 1 Weight	34.0 g
Unit Type of Package 2	S01
Number of Units in Package 2	42
Package 2 Height	15.0 cm
Package 2 Width	15.0 cm

Package 2 Length	40.0 cm
Package 2 Weight	1.601 kg



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

∇ Environmental footprint	
Total lifecycle Carbon footprint	1
Environmental Disclosure	Product Environmental Profile

Use Better

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
SCIP Number	8e0466ff-0e56-4ef0-b6ca-a9b8abecc887
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
PVC free	Yes
Silicone-free	Yes

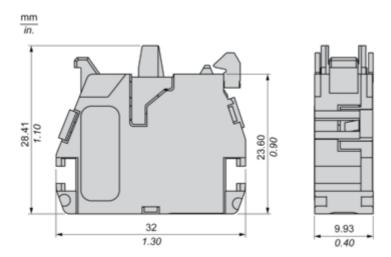
Use Again

○ Repack and remanufacture	
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 and never end up in rubbish bins

ZBRT2

Dimensions Drawings

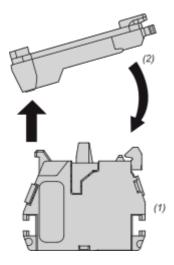
Dimensions Drawings



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Mounting and Clearance

Mounting of the Transmitter onto the Body Fixing Collar



(1): ZBRT1 (2): Body fixing collar

Technical Illustration

Dimensions

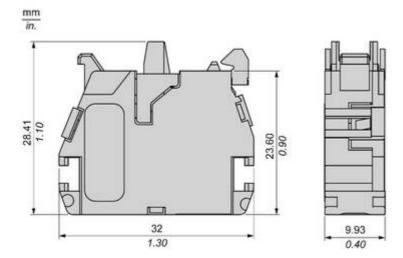


Image of product / Alternate images

Alternative











