Product data sheet

Specifications

wireless and battery less handy box, 1 double action and 1 simple action buttons

ZBRM22BA0

Main

Range of product	Harmony XB5R
Product or component type	Wireless and batteryless transmitter
Device short name	XB5R
Contact operation	1 simple and double action UP/DOWN push-buttons
Bezel material	Plastic
Fixing collar material	Plastic
Mounting diameter	22 mm

Complementary

Kit composition	1 transmitter 1 set of caps 1 handy box 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
Product weight	0.2 kg
Mechanical durability	400000 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 EN/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 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
Radio agreement	RSS conforming to UL 508 ARIB T66 conforming to CSA C22.2 No 14 ICASA ANATEL FCC
Standards	CSA C22.2 No 14 EN/IEC 60947-1 EN/IEC 60947-5-1 UL 508
Product certifications	CSA UL CCC C-Tick BT 2006/95/EC EAC
Directives	1999/5/EC - R&TTE directive 2004/108/EC - electromagnetic compatibility

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.5 cm
Package 1 Width	6.5 cm
Package 1 Length	16.3 cm
Package 1 Weight	232.0 g

Environmental Data

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 ›

Use Better

Materials and Substances

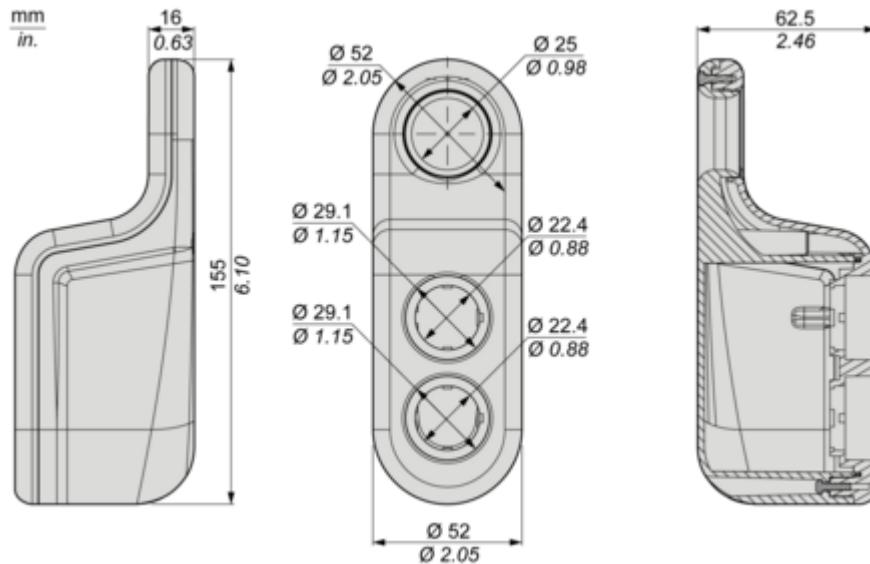|	
Packaging without single use plastic	**No**
EU RoHS Directive	**Pro-active compliance (Product out of EU RoHS legal scope)**
SCIP Number	**25b7f895-3732-43c8-9910-ef6005058640**
California proposition 65	**WARNING: This product can expose you to chemicals including: Lead and lead compounds, which 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**

Use Again

Repack and remanufacture

Take-back	**No**

Dimensions Drawings

Dimensions

Wireless and Batteryless Pushbutton

Plastic Mobile Box for Mobile or Fix Use - 2 Functions

Technical Illustration

Dimensions