

# Product data sheet

Specifications



22mm push button, Harmony ZB,  
wireless and batteryless handy box,  
2 simple action buttons, ZBRT1  
transmitter

ZBRM22A0

Product availability: Stock - Normally stocked in distribution facility

Price\*: 258.00 USD

## 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	0.87 in (22 mm)

## Complementary

Kit Composition	1 set of caps 1 handy box 2 transmitter 2 push-button head 0.87 in (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	0.44 lb(US) (0.2 kg)
Mechanical Durability	1000000 cycles
Operating Travel	0.17 in (4.3 mm) total travel)
Operating Force	25 N C/O changing electrical state
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
Mechanical Robustness	Free fall resistance 1000 mm EN/IEC 60068-2-32
Communication Port Protocol	Zigbee green power 2.4 GHz
Maximum Sensing Distance	328.08 ft (100 m) in free field 82.02 ft (25 m) transmitter in the handy box and receiver in a metal enclosure 984.25 ft (300 m) transmitter in the handy box, receiver in metal enclosure and use relay-antenna
Acquisition Time	2 ms
Response Time	< 2 ms

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: 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

Emission Power	3 mW
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## Environment

Ambient Air Temperature For Storage	-40...158 °F (-40...70 °C)
Ambient Air Temperature For Operation	-13...131 °F (-25...55 °C)
Ip Degree Of Protection	IP65 IEC 60529 front face) IP65 UL Type 12 front face)
Ik Degree Of Protection	IK03 conforming to IEC 50102
Relative Humidity	95 % 158 °F (70 °C) without condensation
Vibration Resistance	5 gn 11...500 Hz)IEC 60068-2-6 +/- 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
Radio Agreement	RSS UL 508 ARIB T66 CSA C22.2 No 14 ICASA ANATEL FCC
Standards	EN/IEC 60947-5-1 CSA C22.2 No 14 EN/IEC 60947-1 UL 508
Product Certifications	C-tick CSA BT 2006/95/EC EAC UL CCC
Directives	2004/108/EC - electromagnetic compatibility 1999/5/EC - R&TTE directive

## Ordering and shipping details

Category	US1000I22470
Discount Schedule	000I
Gtin	3606480891083
Returnability	Yes
Country Of Origin	US

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.56 in (6.5 cm)
Package 1 Width	2.56 in (6.5 cm)
Package 1 Length	6.42 in (16.3 cm)
Package 1 Weight	8.18 oz (232.0 g)

# Sustainability

**Green Premium™ label** is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product’s sustainability >](#)

## Well-being performance

✓	Mercury Free	
✓	Rohs Exemption Information	Yes
Reach Regulation	<a href="#">REACH Declaration</a>	
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)	
China Rohs Regulation	<a href="#">China RoHS declaration</a>	
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 <a href="#">www.P65Warnings.ca.gov</a>	

Dimensions Drawings

Dimensions

Wireless and Batteryless Pushbutton

Plastic Mobile Box for Mobile or Fix Use - 2 Functions

