

# Product data sheet

Specifications



Wireless and batteryless transmitter,  
Harmony XB5R, plastic, black, 1  
simple action

ZBRM21A0

## Main

|                           |                                      |
|---------------------------|--------------------------------------|
| Range Of Product          | Harmony XB5R                         |
| Product Or Component Type | Wireless and batteryless transmitter |
| Device Short Name         | XB5R                                 |
| Contact Operation         | 1 simple action push-button          |
| Bezel Material            | Plastic                              |
| Fixing Collar Material    | Plastic                              |
| Mounting Diameter         | 22 mm                                |

## Complementary

|                                 |  |
|---------------------------------|--|
| Kit Composition                 | 1 handy box<br>1 transmitter<br>1 set of caps<br>1 push-button head diameter: 22 mm<br>1 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                      | 0.15 kg  |
| Mechanical Durability           | 1000000 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<br>30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27<br>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<br>25 m transmitter in the handy box and receiver in a metal enclosure<br>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   |

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

# 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<br>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<br>+/- 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<br>Electrostatic discharge immunity test - test level: 4 kV (on contact (on metal parts)) conforming to IEC 61000-4-2<br>Susceptibility to electromagnetic fields - test level: 20 V/m (80...3000 MHz) conforming to IEC 61000-4-3<br>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<br>ARIB T66 conforming to CSA C22.2 No 14<br>ICASA<br>ANATEL<br>FCC   |
| Standards                             | EN/IEC 60947-1<br>UL 508<br>CSA C22.2 No 14<br>EN/IEC 60947-5-1  |
| Product Certifications                | EAC<br>BT 2006/95/EC<br>C-Tick<br>UL<br>CSA<br>CCC   |
| Directives                            | 1999/5/EC - R&TTE directive<br>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             | 187.0 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 | <a href="#">Yes</a>   |
| 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 - 1 Function

