

# Product data sheet

Specifications



Wireless and batteryless package, Harmony XB5R, Wireless push button and configurable receiver with 10 colored caps, plastic, 22mm, 24...240V AC DC

XB5RFA02

## Main

|                           |                                                   |
|---------------------------|---------------------------------------------------|
| Range of product          | Harmony XB5R                                      |
| Product or component type | Wireless and batteryless package                  |
| Device short name         | XB5R                                              |
| Head material             | Plastic                                           |
| frequency                 | 2405 MHz for transmitter<br>2405 MHz for receiver |
| emission class            | 5M00G7W                                           |
| Antenna type              | Omnidirectional                                   |

## Complementary

|                             |                                                                                                                                        |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Control type                | Wireless and batteryless push-button Ø 22 mm assembled on fixing collar                                                                |
| Type of receiver            | Programmable receiver (2 relays)                                                                                                       |
| [Us] rated supply voltage   | 24...240 V AC/DC 50/60 Hz                                                                                                              |
| Kit composition             | 1 transmitter<br>1 set of caps<br>1 receiver<br>1 fixing collars<br>1 diameter: 22 mm<br>1 push-button head diameter: 22 mm            |
| Status LED                  | 1 LED green for power ON<br>2 LEDs green for relay ON<br>2 LEDs green for function mode<br>1 LED green and yellow for reception signal |
| Communication port protocol | Zigbee conforming to IEEE 802.15.4                                                                                                     |
| Max power consumption in W  | 1 mW                                                                                                                                   |
| Number of channels          | 1                                                                                                                                      |
| Modulation Technique        | O-QPSK                                                                                                                                 |
| Bandwidth                   | 5 MHz                                                                                                                                  |
| Antenna gain                | 0 dBi                                                                                                                                  |

## Environment

|                        |                                    |
|------------------------|------------------------------------|
| Product certifications | UL<br>CCC<br>GOST<br>CSA<br>C-Tick |
| Marking                | CE                                 |

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

|                 |                                                           |
|-----------------|-----------------------------------------------------------|
| Standards       | CSA C22.2 No 14<br>IEC 60947-5-1<br>UL 508<br>IEC 60947-1 |
| Radio agreement | SRRC<br>RSS<br>ARIB T66<br>FCC<br>ICASA<br>ANATEL         |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 9.300 cm  |
| Package 1 Width              | 10.500 cm |
| Package 1 Length             | 10.800 cm |
| Package 1 Weight             | 207.000 g |
| Unit Type of Package 2       | S03       |
| Number of Units in Package 2 | 16        |
| Package 2 Height             | 30.000 cm |
| Package 2 Width              | 30.000 cm |
| Package 2 Length             | 40.000 cm |
| Package 2 Weight             | 3.850 kg  |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

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 >](#)

| Environmental footprint          |                                               |
|----------------------------------|-----------------------------------------------|
| Total lifecycle Carbon footprint | 33                                            |
| Environmental Disclosure         | <a href="#">Product Environmental Profile</a> |

Use Better

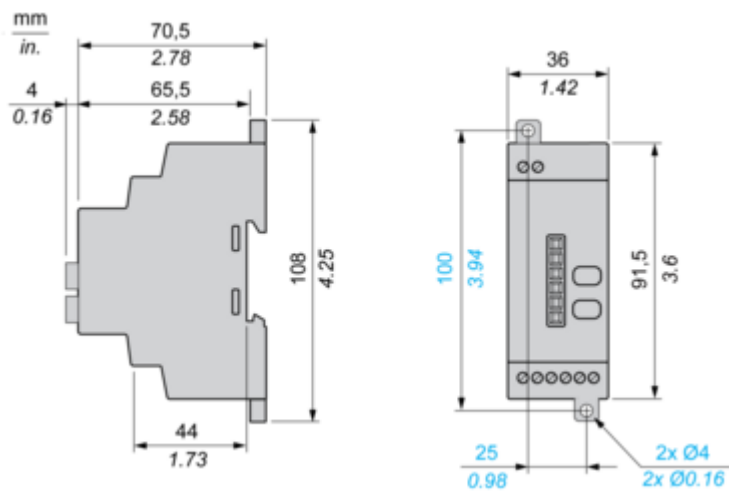
| Materials and Substances               |                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Packaging made with recycled cardboard | Yes                                                                                                                                                                                                                                                                                                                                                                    |
| Packaging without single use plastic   | No                                                                                                                                                                                                                                                                                                                                                                     |
| <a href="#">EU RoHS Directive</a>      | 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: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |

Use Again

| Repack and remanufacture        |                                                                                                                                                                                                                 |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| End of life manual availability | <a href="#">End of Life Information</a>                                                                                                                                                                         |
| 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 |

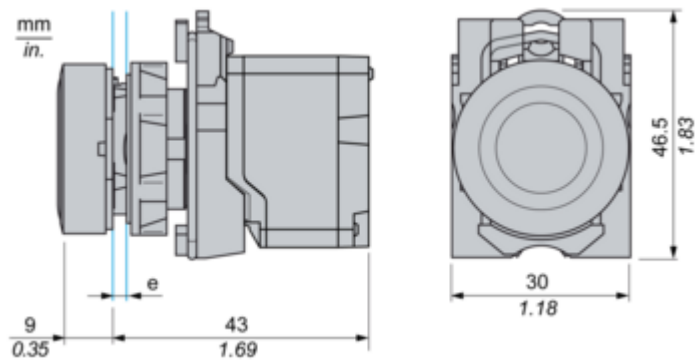
Dimensions Drawings

Programmable Receiver



Wireless and Batteryless Pushbutton - Transmitter

With Plastic Pushbutton without Cap

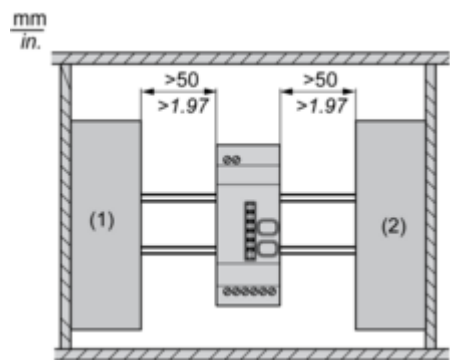


e: panel thickness 1 to 6 mm / 0.039 to 0.24 in.

Mounting and Clearance

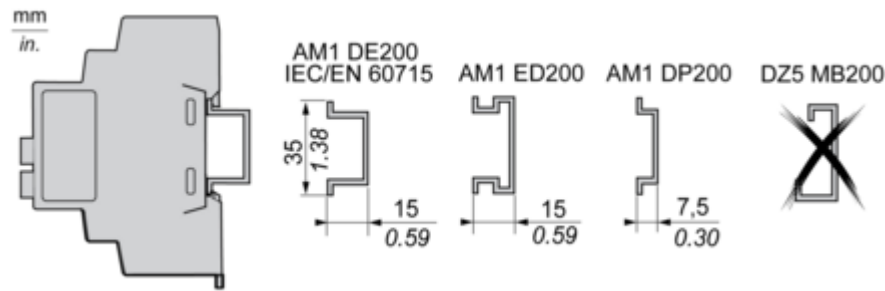
Receiver Clearance

---



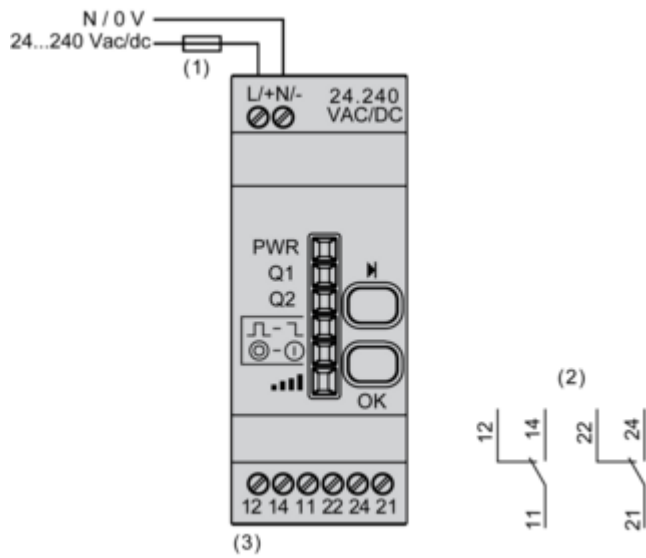
- (1) Drive
- (2) Power Supply or PLC

Receiver Mounting



Connections and Schema

Programmable Receiver



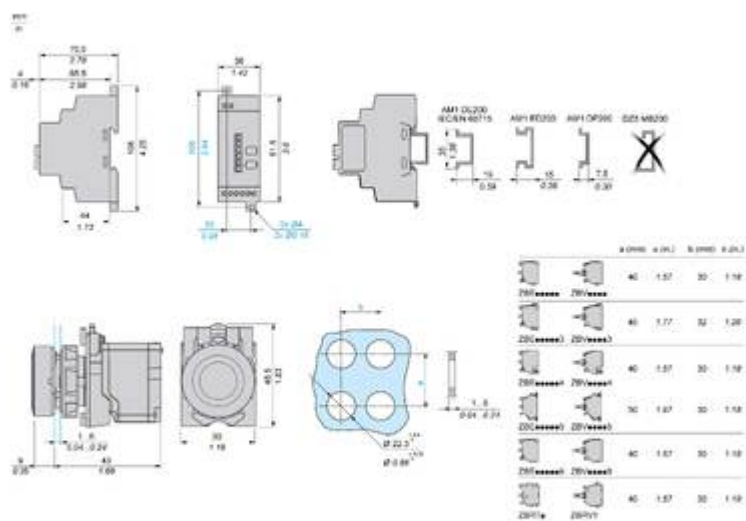
- (1) 500 mA
- (2) Output contacts
- (3)  $I_{max} = 3\text{ A}$

## Product data sheet

**XB5RFA02**

### Technical Illustration

## Dimensions



Technical Illustration

Wiring diagram

