

# Product data sheet

## Characteristics

# ZB5RTA2

transmitter - Ø22 mm plastic head - black cap

Product availability: Stock - Normally stocked in distribution facility

Price\*: 130.00 USD



## Main

|                           |                                      |
|---------------------------|--------------------------------------|
| Commercial Status         | Commercialised                       |
| Range of product          | Harmony XB5                          |
| Product or component type | Wireless and batteryless transmitter |
| Device short name         | XB5R                                 |
| Bezel material            | Plastic                              |
| Fixing collar material    | Plastic                              |
| Mounting diameter         | 0.87 in (22 mm)                      |

## Complementary

|                              |                                                                                                                                                                                                                        |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Shape of signaling unit head | Round                                                                                                                                                                                                                  |
| Type of operator             | Spring return pushbutton with transmitter                                                                                                                                                                              |
| Operator profile             | Flush black                                                                                                                                                                                                            |
| Embedding depth              | <= 1.65 in (42 mm)                                                                                                                                                                                                     |
| CAD overall height           | 1.63 in (41.5 mm)                                                                                                                                                                                                      |
| CAD overall width            | 1.18 in (30 mm)                                                                                                                                                                                                        |
| CAD overall depth            | 1.69 in (43 mm)                                                                                                                                                                                                        |
| Product weight               | 0.1 lb(US) (0.045 kg)                                                                                                                                                                                                  |
| Operating travel             | 0.17 in (4.3 mm) total travel                                                                                                                                                                                          |
| Operating force              | < 25 N C/O changing electrical state                                                                                                                                                                                   |
| Mechanical robustness        | Free fall resistance (test level: 1000 mm) conforming to EN/IEC 60068-2-32                                                                                                                                             |
| Standards                    | EN/IEC 60947-1<br>EN/IEC 60947-5-1<br>UL 508<br>CSA C22.2 No 14                                                                                                                                                        |
| Radio agreement              | SRRC<br>RSS<br>ICASA<br>FCC<br>ARIB T66<br>ANATEL                                                                                                                                                                      |
| Communication port protocol  | Zigbee (green power) at 2.4 GHz                                                                                                                                                                                        |
| Maximum sensing distance     | 300 m transmitter in box type XAL D, receiver in metal enclosure and use relay-antenna<br>82.02 ft (25 m) transmitter in a plastic box type XAL D and receiver in a metal enclosure<br>328.08 ft (100 m) in free field |
| Acquisition time             | 2 ms                                                                                                                                                                                                                   |
| Response time                | < 2 ms                                                                                                                                                                                                                 |
| Emission power               | 3 mW                                                                                                                                                                                                                   |
| Fixing mode                  | Fixing nut beneath head, nominal torque: 19.47 lbf.in (2.2 N.m) (tolerance: +/- 0.2 N.m)                                                                                                                               |
| Station name                 | XALK 2...5 cut-outs<br>XALD 1...5 cut-outs                                                                                                                                                                             |
| Electrical composition code  | PW1                                                                                                                                                                                                                    |

## Environment

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ambient air temperature for storage   | -40...158 °F (-40...70 °C)                                                                                                                                                                                                                                                                                                                                                                                                        |
| Ambient air temperature for operation | -13...131 °F (-25...55 °C)                                                                                                                                                                                                                                                                                                                                                                                                        |
| Relative humidity                     | 95 % at 158 °F (70 °C) without condensation                                                                                                                                                                                                                                                                                                                                                                                       |
| IP degree of protection               | IP65 on front face conforming to UL Type 12<br>IP30 on back face conforming to IEC 60529<br>IP65 on front face conforming to IEC 60529                                                                                                                                                                                                                                                                                            |
| IK degree of protection               | IK03 conforming to IEC 50102                                                                                                                                                                                                                                                                                                                                                                                                      |
| Mechanical durability                 | 1000000 cycles                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Shock resistance                      | 25 gn (duration = 6 ms) for 6000 shocks conforming to IEC 60068-2-27<br>50 gn for 11 ms half sine wave acceleration conforming to IEC 60068-2-27<br>30 gn for 18 ms half sine wave acceleration conforming to IEC 60068-2-27                                                                                                                                                                                                      |
| Vibration resistance                  | +/- 10 mm (f= 2...11 Hz) conforming to IEC 60068-2-6<br>5 gn (f= 11...500 Hz) conforming to IEC 60068-2-6                                                                                                                                                                                                                                                                                                                         |
| Electromagnetic compatibility         | Radiated emission<br>Susceptibility to electromagnetic fields (test level:3 V/m - 80...2700 MHz, distance = 20 m)<br>Susceptibility to electromagnetic fields (test level:10 V/m - 80...2000 MHz)<br>Electrostatic discharge immunity test (test level:6 kV - on contact (on metal parts))<br>Electrostatic discharge immunity test (test level:8 kV - in free air (in insulating parts))<br>Immunity for industrial environments |
| Product certifications                | CCC<br>CSA<br>C-Tick<br>GOST<br>UL<br>BT 2006/95/EC<br>EMC directive 2004/108/EC<br>R&TTE directive 1999/5/EC                                                                                                                                                                                                                                                                                                                     |

## Ordering and shipping details

|                       |                                                   |
|-----------------------|---------------------------------------------------|
| Category              | 22470 - XB5R WIRELESS PUSH BUTTON                 |
| Discount Schedule     | I                                                 |
| GTIN                  | 00785901694793                                    |
| Nbr. of units in pkg. | 1                                                 |
| Package weight(Lbs)   | 0.11                                              |
| Product availability  | Stock - Normally stocked in distribution facility |
| Returnability         | Y                                                 |
| Country of origin     | FR                                                |

## Offer Sustainability

|                          |                                                                                       |
|--------------------------|---------------------------------------------------------------------------------------|
| Sustainable offer status | Not Green Premium product                                                             |
| RoHS                     | Compliant - since 1040 - <a href="#">Schneider Electric declaration of conformity</a> |

## Contractual warranty

|        |           |
|--------|-----------|
| Period | 18 months |
|--------|-----------|