

ZBRM22AB0

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



Main

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|---------------------------|---|
| 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

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| 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 |
| Net 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

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| 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 |

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| 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 | EN/IEC 60947-5-1 UL 508 EN/IEC 60947-1 CSA C22.2 No 14 |
| Product certifications | UL EAC CSA BT 2006/95/EC CCC C-Tick |
| Directives | 1999/5/EC - R&TTE directive 2004/108/EC - electromagnetic compatibility |

Packing Units

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|------------------------------|---------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 232 g |
| Package 1 Height | 6.5 cm |
| Package 1 width | 6.5 cm |
| Package 1 Length | 16.3 cm |

Offer Sustainability

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| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS Declaration |

Dimensions

Wireless and Batteryless Pushbutton

Plastic Mobile Box for Mobile or Fix Use - 2 Functions

