

ZBRRD

Programmable receiver - 2 relays - 24..240 V AC/
DC - 2 pushbuttons - 6 LEDs

Product availability : Stock - Normally stocked in distribution facility



Price* : 380.00 USD



Main

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|------------------------------|-------------------------|
| Range of product | Harmony |
| Product or component type | Programmable receiver |
| Device short name | ZBRRD |
| Product specific application | Interface to actuators |
| Function of module | Bi-stable Monostable |
| Reset time | 2 ms time delay |
| Transmission frequency | 2405 MHz |
| Emission class | 5M00G7W |
| Antenna type | Omnidirectional |

Complementary

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| Nominal output current | 0.3 A 48 V DC EN/IEC 60947-5-1 3 A 24 V DC UL 508 1.5 A 240 V AC EN/IEC 60947-5-1 3 A 120 V AC EN/IEC 60947-5-1 3 A 240 V AC UL 508 3 A 24 V DC CSA C22.2 No 14 3 A 240 V AC CSA C22.2 No 14 |
| Output type | 2 relays |
| Output contacts | 2 C/O |
| Input output isolation | Galvanic isolation |
| Time delay range | 0.5 s - 15...15 %) |
| Switching capacity in VA | 1250 VA |
| Maximum switching current | 5 mA AC/DC |
| Maximum switching voltage | 250 V AC/DC |
| [Us] rated supply voltage | 24...240 V AC/DC 50/60 Hz - 10...10 % |

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

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| Communication port protocol | Zigbee green power 2.4 GHz IEEE 802.15.4 |
| Maximum sensing distance | 328.08 ft (100 m) in free field 82.02 ft (25 m) transmitter in a plastic box type XAL D and receiver in a metal enclosure 131.23 ft (40 m) transmitter in box type XAL D, receiver in metal enclosure and use relay-antenna |
| Response time | < 30 ms after transmitter clicks |
| Utilisation category | AC-15 : B300 EN/IEC 60947-5-1 DC-12 EN/IEC 60947-5-1 |
| Maximum power consumption in W | 4 W AC/DC |
| Breaking capacity | 15 W |
| Breaking capacity | 750 VA |
| Control circuit frequency | 50...60 Hz +/- 10 % |
| Short-circuit protection | 0.4 A fuse fast blow |
| Operating position | Any position without derating |
| Electrical connection | 1 conductor cable 0.00...0.00 in ² (0.14...2.5 mm ²) - AWG 26...AWG 14 - solid - without cable end IEC 60947-1 2 conductors cable 0.00...0.00 in ² (0.14...1.5 mm ²) - AWG 26...AWG 16 - solid - without cable end IEC 60947-1 1 conductor cable 0.00...0.01 in ² (0.14...4 mm ²) - AWG 26...AWG 12 - flexible - with cable end IEC 60947-1 2 conductors cable 0.00...0.00 in ² (0.14...1.5 mm ²) - AWG 26...AWG 16 - flexible - with cable end IEC 60947-1 |
| Tightening torque | 4.43...8.85 lbf.in (0.5...1 N.m) EN/IEC 60947-1 |
| Housing material | Self-extinguishing plastic |
| Status LED | 1 LED Green power ON 2 LEDs Green relay ON 2 LEDs Green function mode 1 LED green and yellow reception signal |
| Mounting support | 35 mm symmetrical DIN rail EN/IEC 60715 Mounting plate |
| Rated short-duration power frequency withstand voltage | 1.5 kV 50 Hz EN/IEC 60947-5-1 |
| [Uimp] rated impulse withstand voltage | 4 kV |
| Surge withstand | 1 kV differential mode IEC 61000-4-5 2 kV common mode IEC 61000-4-5 |
| Max power consumption in W | 1 mW |
| Number of channels | 1 |
| Modulation technique | O-QPSK |
| Bandwidth | 5 MHz |
| Antenna gain | 0 dBi |
| Maximum Width | 1.42 in (36 mm) |
| Maximum Height | 4.25 in (108 mm) |
| Maximum Depth | 2.95 in (75 mm) |
| Net Weight | 0.29 lb(US) (0.13 kg) |

Environment

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|------------------------|---|
| Standards | CSA C22.2 No 14 EN/IEC 60947-5-1 UL 508 EN/IEC 60947-1 |
| Radio agreement | RSS SRRC ANATEL ARIB T66 FCC ICASA |
| Product certifications | CCC UL GOST CSA C-tick |
| Marking | CE |

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| Ambient air temperature for storage | -40...158 °F (-40...70 °C) |
| Relative humidity | 90 % -4...131 °F (-20...55 °C), without condensation ETSI EN 300 440-1 |
| Vibration resistance | +/- 7.5 mm 5...14 Hz)IEC 60068-2-6 2 gn 8...150 Hz)IEC 60068-2-6 |
| Shock resistance | 10 gn 16 ms) 6000 shocks IEC 60068-2-27 |
| IP degree of protection | IP20 IEC 60529 casing) IP20 terminals) |
| Pollution degree | 2 IEC 60664-1 |
| Overvoltage category | II IEC 60664-1 |
| Insulation resistance | > 500 MOhm 500 V DC NF C 20-030 |
| [Ui] rated insulation voltage | 250 V IEC 60664-1 |
| Electromagnetic compatibility | Immunity for industrial environments EN/IEC 61000-6-2 Conducted and radiated emissionsclass B CISPR 22 Electrostatic discharge immunity test 8 kV in free air (in insulating parts)) IEC 61000-4-2 Electrostatic discharge immunity test 6 kV on contact (on metal parts)) IEC 61000-4-2 Susceptibility to electromagnetic fields 10 V/m 80...2000 MHz) IEC 61000-4-3 Susceptibility to electromagnetic fields 3 V/m 80...2700 MHz, distance = 20 m) IEC 61000-4-3 Electrical fast transient/burst immunity test 2 kV relay wires) IEC 61000-4-4 Electrical fast transient/burst immunity test 2 kV power supply wires) IEC 61000-4-4 1.2/50 µs shock waves immunity test 1 kV differential mode) IEC 61000-4-5 1.2/50 µs shock waves immunity test 2 kV common mode) IEC 61000-4-5 Conducted RF disturbances 10 V IEC 61000-4-6 Immunity to microbreaks and voltage drops 10 ms IEC 61000-4-11 Radiated emission ETSI EN 300 440-1 Conducted emission EN 300-489-1 Conducted emission ETSI EN 300 489-3 Radiated emission ETSI EN 300 440-2 |
| Electrical durability | 100000 cycles |
| Mechanical durability | 1000000 cycles |

Ordering and shipping details

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|-------------------|-----------------------------------|
| Category | 22470 - XB5R WIRELESS PUSH BUTTON |
| Discount Schedule | I |
| GTIN | 00785901298625 |
| Returnability | Yes |
| Country of origin | ID |

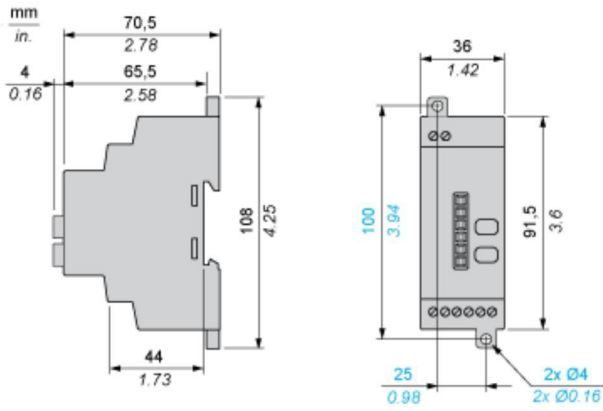
Offer Sustainability

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| Sustainable offer status | Green Premium product |
| 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 www.P65Warnings.ca.gov |
| RECh Regulation | RECh 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 |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |

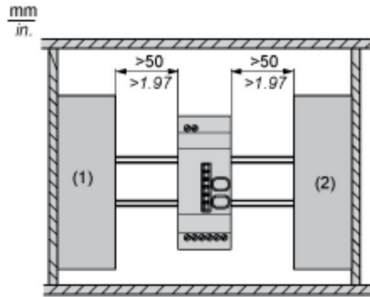
Contractual warranty

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| Warranty | 18 months |
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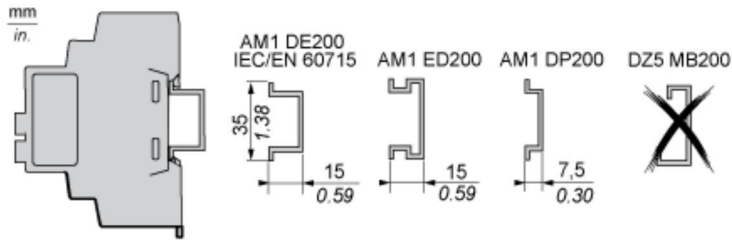
Programmable Receiver



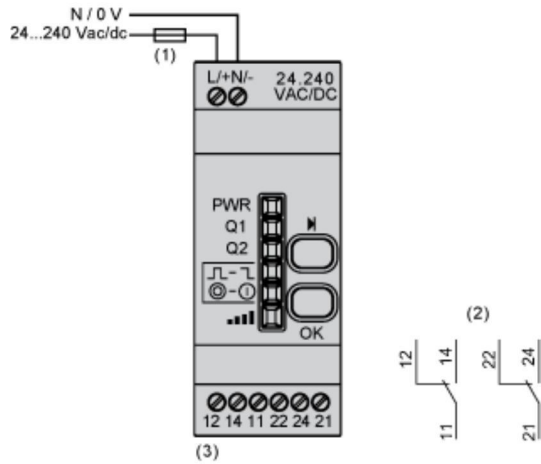
Receiver Clearance



Receiver Mounting



Programmable Receiver



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