

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

ZBRRD

Product availability: Stock - Normally stocked in distribution facility

Main

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

Nominal output current	0.3 A 48 V DC IEC 60947-5-1 3 A 24 V DC UL 508 1.5 A 240 V AC IEC 60947-5-1 3 A 120 V AC 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 - 1515 %)	
Switching capacity in VA	1250 VA	
Maximum switching current	5 mA AC/DC	
Maximum switching voltage	250 V AC/DC	
[Us] Rated Supply Voltage	24240 V AC/DC 50/60 Hz - 1010 %	
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 131.2 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 IEC 60947-5-1 DC-12 IEC 60947-5-1	
Maximum power consumption in W	4 W AC/DC	

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

Breaking capacity	15 W	
Breaking capacity	750 VA	
Control circuit frequency	5060 Hz +/- 10 %	
Short-circuit protection	0.4 A fuse fast blow	
Operating position	Any position without derating	
Electrical connection	1 conductor cable 0.00020.004 in² (0.142.5 mm²) - AWG 26AWG 14 - solid - without cable end IEC 60947-1 2 conductors cable 0.00020.002 in² (0.141.5 mm²) - AWG 26AWG 16 - solid - without cable end IEC 60947-1 1 conductor cable 0.00020.006 in² (0.144 mm²) - AWG 26AWG 12 - flexible - with cable end IEC 60947-1 2 conductors cable 0.00020.002 in² (0.141.5 mm²) - AWG 26AWG 16 - flexible - with cable end IEC 60947-1	
Tightening torque	4.48.9 lbf.in (0.51 N.m) 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 conforming to IEC 60715 Mounting plate	
Rated short-duration power frequency withstand voltage	1.5 kV 50 Hz 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	
Width	1.4 in (36 mm)	
Height	4.3 in (108 mm)	
Depth	3.0 in (75 mm)	
Net Weight	0.29 lb(US) (0.13 kg)	
Environment		
Standards	CSA C22.2 No 14 IEC 60947-5-1 UL 508 IEC 60947-1	
Radio agreement	RSS SRRC ANATEL ARIB T66 FCC ICASA	
Product Certifications	CCC UL GOST CSA C-tick	

CE

Marking

Ambient Air Temperature for Storage	-40158 °F (-4070 °C)	
Relative humidity	90 % -4131 °F (-2055 °C), without condensation ETSI EN 300 440-1	
Vibration resistance	+/- 7.5 mm (f= 514 Hz) conforming to IEC 60068-2-6 2 gn (f= 8150 Hz) conforming to 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 conforming to 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 conforming to IEC 61000-6-2 Conducted and radiated emissions class B conforming to CISPR 22 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: 6 kV (on contact (on metal parts)) conforming to IEC 61000-4-2 Susceptibility to electromagnetic fields - test level: 10 V/m (802000 MHz) conforming to IEC 61000-4-3 Susceptibility to electromagnetic fields - test level: 3 V/m (802700 MHz, distance = 20 m) conforming to IEC 61000-4-3 Electrical fast transient/burst immunity test - test level: 2 kV (relay wires) conforming to IEC 61000-4-4 Electrical fast transient/burst immunity test - test level: 2 kV (power supply wires) conforming to IEC 61000-4-4 1.2/50 µs shock waves immunity test - test level: 1 kV (differential mode) conforming to IEC 61000-4-5 1.2/50 µs shock waves immunity test - test level: 2 kV (common mode) conforming to IEC 61000-4-5 Conducted RF disturbances - test level: 10 V conforming to IEC 61000-4-6 Immunity to microbreaks and voltage drops - test level: 10 ms conforming to IEC 61000-4-11 Radiated emission conforming to ETSI EN 300 440-1 Conducted emission conforming to ETSI EN 300 489-3 Radiated emission conforming to ETSI EN 300 440-2	
Electrical durability	100000 cycles	
Mechanical durability	1000000 cycles	

Ordering and shipping details

Category	US1000I22470	
Discount Schedule	0001	
GTIN	3606480521164	
Returnability	Yes	
Country of origin	ID	

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.77 in (4.5 cm)
Package 1 Width	3.11 in (7.9 cm)
Package 1 Length	3.82 in (9.7 cm)
Package 1 Weight	4.9 oz (138.0 g)
Unit Type of Package 2	S03

Number of Units in Package 2	64
Package 2 Height	11.81 in (30.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	21.034 lb(US) (9.541 kg)

Contractual warranty

Warranty 18 months



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		
Carbon footprint (kg CO2 eq, Total Life cycle)	32	

Use Better

Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
SCIP Number	25b7f895-3732-43c8-9910-ef6005058640
REACh Regulation	REACh Declaration
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

Use Again

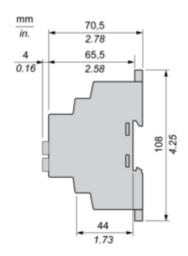
○ Repack and remanufacture		
Circularity Profile	End of Life Information	
Take-back	No	
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.	

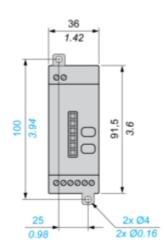
Product data sheet

ZBRRD

Dimensions Drawings

Programmable Receiver



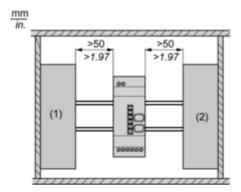


Product data sheet

ZBRRD

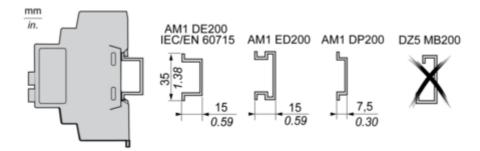
Mounting and Clearance

Receiver Clearance



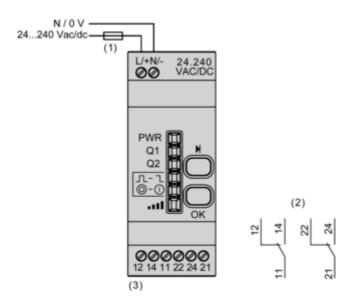
- (1) Drive(2) Power Supply or PLC

Receiver Mounting



Connections and Schema

Programmable Receiver

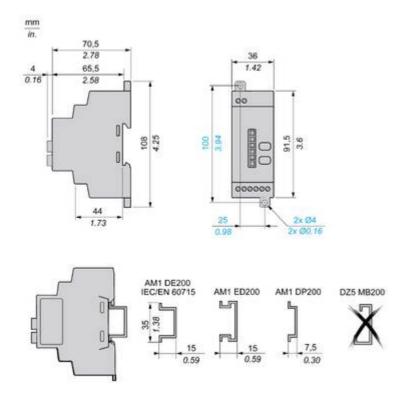


- (1) 500 mA
- (2) Output contacts
- (3) Imax = 3 A

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Technical Illustration

Dimensions



Technical Illustration

Wiring diagram

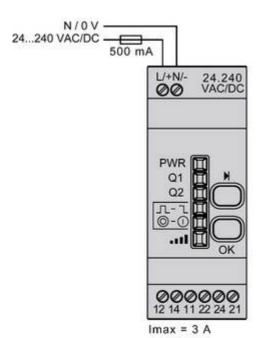


Image of product / Alternate images

Alternative





