

Product data sheet

Specifications



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

ZBRRA

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	Harmony
Product or Component Type	Programmable receiver
Device short name	ZBRRA
Product Specific Application	Interface to actuators
Function of module	Bi-stable Monostable Stop/start
Reset time	2 ms time delay
Transmission frequency	2405 MHz
Antenna type	Omnidirectional
Antenna gain	0 dBi
emission class	5M00G7W

Complementary

Nominal output current	3 A 24 V DC UL 508
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 %
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
Response Time	< 30 ms after transmitter clicks
Utilisation category	AC-15 : B300 IEC 60947-5-1
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

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

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

Electrical connection	1 conductor cable 0.0002...0.004 in² (0.14...2.5 mm²) - AWG 26...AWG 14 - solid - without cable end IEC 60947-1 2 conductors cable 0.0002...0.002 in² (0.14...1.5 mm²) - AWG 26...AWG 16 - solid - without cable end IEC 60947-1 1 conductor cable 0.0002...0.006 in² (0.14...4 mm²) - AWG 26...AWG 12 - flexible - with cable end IEC 60947-1 2 conductors cable 0.0002...0.002 in² (0.14...1.5 mm²) - AWG 26...AWG 16 - flexible - with cable end IEC 60947-1
Tightening torque	5.3 lbf.in (0.6 N.m)
Housing material	Polycarbonate
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
Number of channels	1
Modulation technique	O-QPSK
Width	1.4 in (36 mm)
Height	4.3 in (108 mm)
Depth	3.0 in (75 mm)
Product Weight	0.29 lb(US) (0.13 kg)

Environment

Standards	CSA C22.2 No 14 UL 508 IEC 60947-5-1 IEC 60947-1
Product Certifications	C-tick CCC CSA UL GOST
Marking	CE
Ambient Air Temperature for Storage	-40...158 °F (-40...70 °C)
Vibration resistance	+/- 7.5 mm (f= 5...14 Hz) conforming to IEC 60068-2-6 2 gn (f= 8...150 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)
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
Mechanical durability	1000000 cycles

Ordering and shipping details

Category	US1000I22470
Discount Schedule	000I
GTIN	3606480334702
Returnability	Yes
Country of origin	ID

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.8 in (4.6 cm)
Package 1 Width	3.1 in (8 cm)
Package 1 Length	3.8 in (9.6 cm)
Package weight(Lbs)	4.9 oz (138 g)
Unit Type of Package 2	S03
Number of Units in Package 2	64
Package 2 Height	11.8 in (30 cm)
Package 2 Width	11.8 in (30 cm)
Package 2 Length	15.7 in (40 cm)
Package 2 Weight	20.898 lb(US) (9.479 kg)

Contractual warranty

Warranty (in months)	18
----------------------	----

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	32 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	1 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	31 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.1 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Use Better

 Materials and Substances	
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
SCIP Number	25b7f895-3732-43c8-9910-ef6005058640
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Use Longer

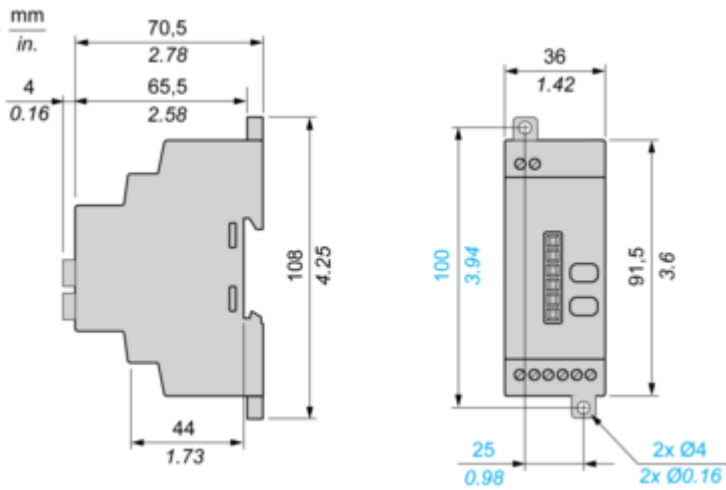
 Lifetime extension	
Repair	No

Use Again

 Repack and remanufacture	
Circularity Profile	End of Life Information
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.

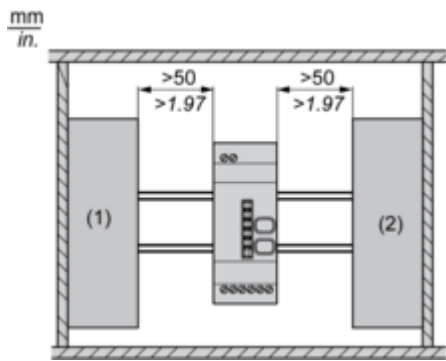
Dimensions Drawings

Programmable Receiver



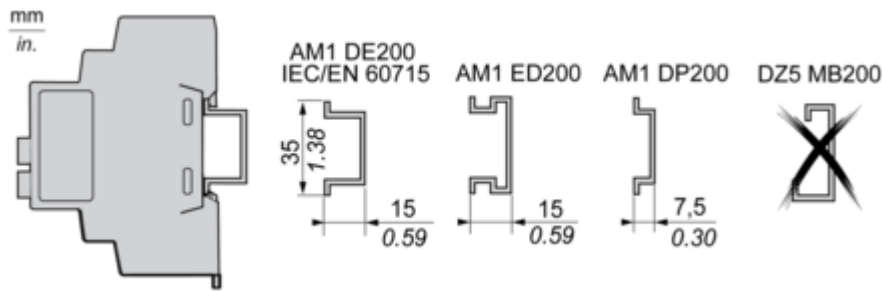
Mounting and Clearance

Receiver Clearance



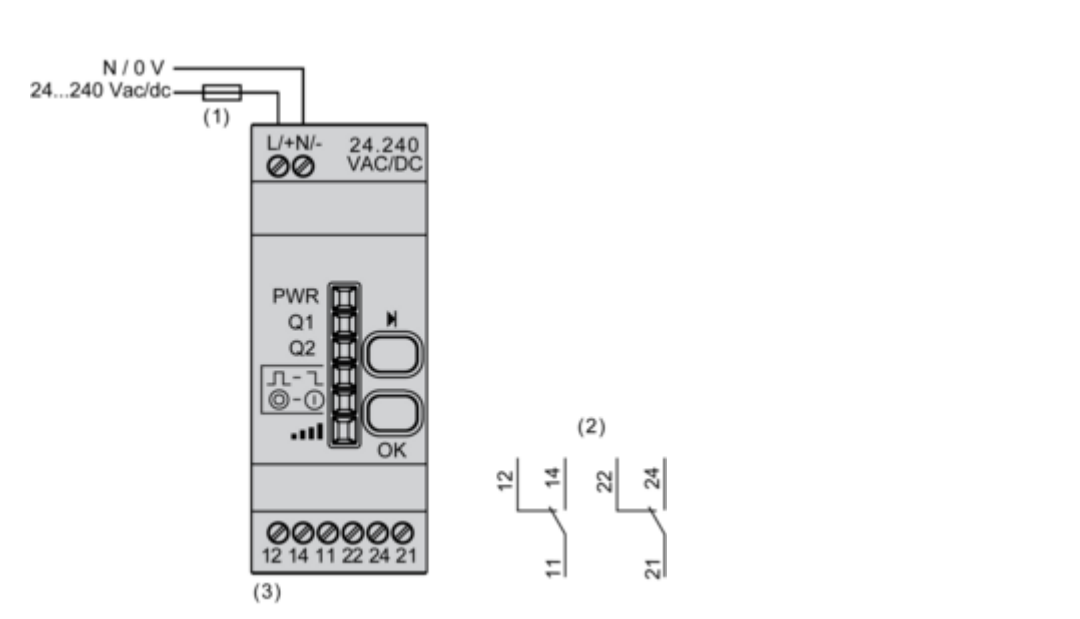
- (1) Drive
- (2) Power Supply or PLC

Receiver Mounting



Connections and Schema

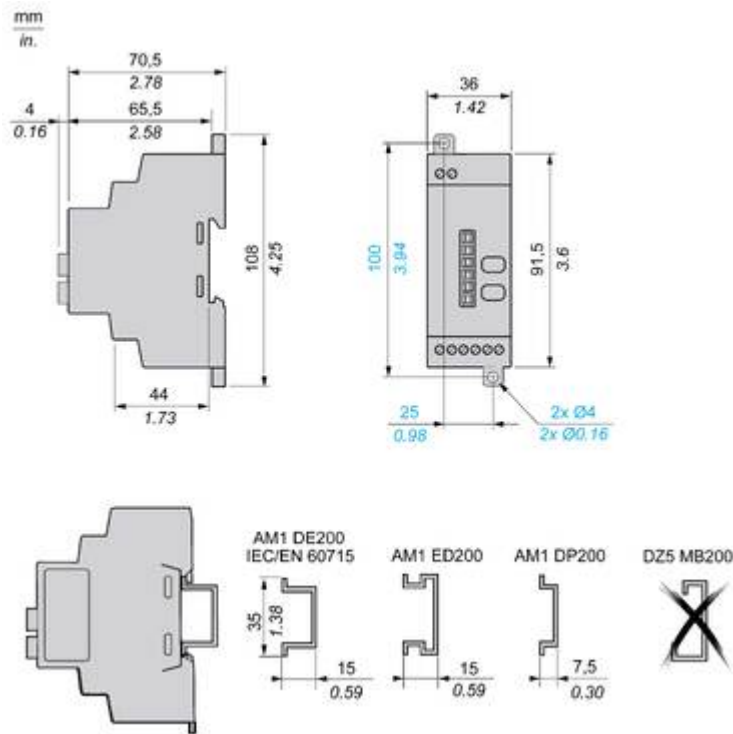
Programmable Receiver



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

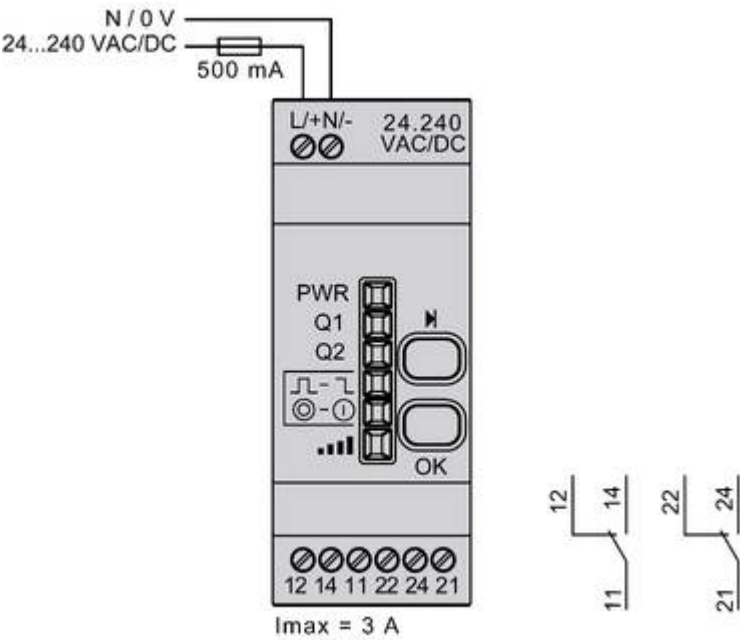
Technical Illustration

Dimensions



Technical Illustration

Wiring diagram



Offer Marketing Illustration

Product benefits / Features

Features

Harmony XB5



Quick and easy assembly and disassembly



Excellent mechanical connection with operator head



Various types of connection: screw clamp, connector, Faston connector, spring terminal, or printed circuit board



Robustness to withstand harsh environments



Large set of accessories to customize your panels



Offer Marketing Illustration

Product benefits / Features



Image of product / Alternate images

Alternative

