Product datasheet

Specifications



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

Local distributor code:

398217479 ZBRRA

EAN Code: 3606480334702

Main

Range of product	Harmony XB5R
Product or component type	Programmable receiver
Device short name	ZBRRA
Product specific application	Interface to actuators
Function of module	Bi-stable Monostable Enable/disable
Reset time	1 s time delay
Transmission frequency	2405 MHz
Antenna type	Omnidirectional
Antenna gain	0 dBi

Complementary

Nominal output current	3 A
Output type	2 relays
Output contacts	2 C/O
Input output isolation	Galvanic isolation
Time delay range	0.5 s (tolerance: +/- 15 %)
Switching capacity in VA	1250 VA
Maximum switching current	3 A AC/DC
Maximum switching voltage	250 V AC/DC
[Us] rated supply voltage	24...240 V AC/DC 50/60 Hz +/- 10 %
Maximum sensing distance	100 m in free field 15 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 DC-13 : R300
Maximum power consumption in W	3 W at 240 V AC 2 W at 24 V DC
Breaking capacity	750 VA
Control circuit frequency	50...60 Hz +/- 10 %
Short-circuit protection	0.5 A fuse type fast blow
Operating position	Any position without derating

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 0.14…2.5 mm² - 26 AWG...14 AWG - solid - without cable end 2 conductors cable 0.14…1.5 mm² - 26 AWG...16 AWG - solid - without cable end 1 conductor cable 0.14…4 mm² - 26 AWG...12 AWG - flexible - with cable end 2 conductors cable 0.14…1.5 mm² - 26 AWG...16 AWG - flexible - with cable end
Tightening torque	0.6 N.m
Housing material	Polycarbonate
Status LED	1 LED green for power ON 2 LEDs green for relay ON 2 LEDs green for function mode 1 LED green and yellow for radiofrequency reception signal
Mounting support	35 mm symmetrical DIN rail
Number of channels	1
Width	36 mm
Height	108 mm
Depth	75 mm
Net weight	0.13 kg

Environment

Standards	IEC 61010 IEC 61010-1 IEC 61010-2-201 UL 61010 UL 61010-1 UL 61010-2-201 EN 61010-1 EN 61010-2-201 CAN/CSA C22.2 No. 61010-1-12 IEC 60947-1 IEC 60068-2-6 IEC 60068-2-27 IEC 60529 IEC 60664-1 NF EN 61140 ETSI EN 301 489-1 ETSI EN 301 489-17 EN 55032 EN 55011 ETSI EN 300 328 IEEE 802.15.4 FCC CFR 47 part 15 class B
Product certifications	CE UL CB UKCA FCC IC CCC Giteki
Ambient air temperature for storage	-40…70 °C
Relative humidity	5…90 %
Vibration resistance	+/- 7.5 mm (f= 5…8 Hz) 2 gn (f= 8…150 Hz)
Shock resistance	10 gn (duration = 16 ms) for 6000 shocks
IP degree of protection	IP20
Pollution degree	2
Overvoltage category	II
Insulation resistance	> 500 MOhm at 500 V DC
[Ui] rated insulation voltage	250 V

Mechanical durability	1000000 cycles

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.6 cm
Package 1 Width	8 cm
Package 1 Length	9.6 cm
Package 1 Weight	138 g
Unit Type of Package 2	S03
Number of Units in Package 2	64
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	9.479 kg

Logistical informations

Country of origin	ID

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**

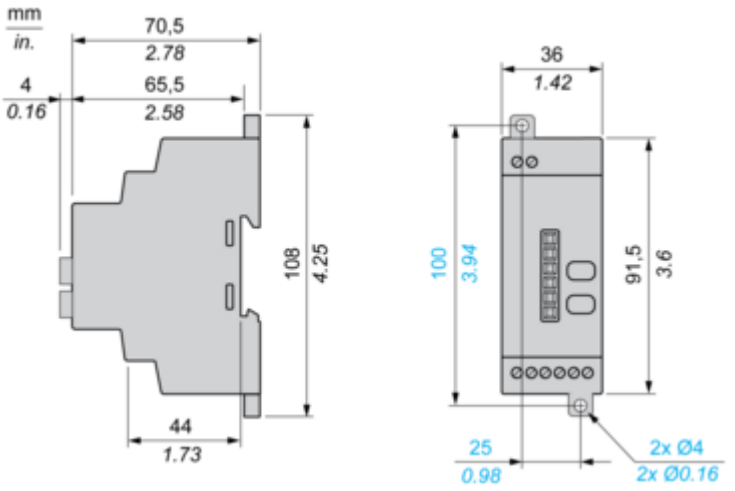
Use Again

Repack and remanufacture

Recyclability potential, in %	**2**
End of life manual availability	**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**

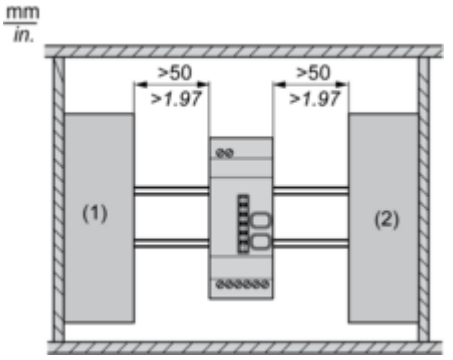
Dimensions Drawings

Programmable Receiver



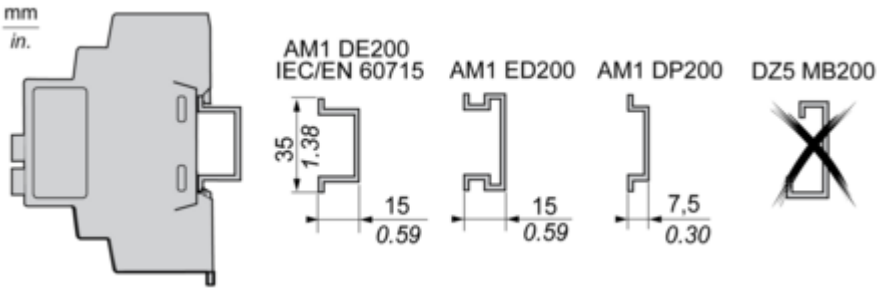
Mounting and Clearance

Receiver Clearance



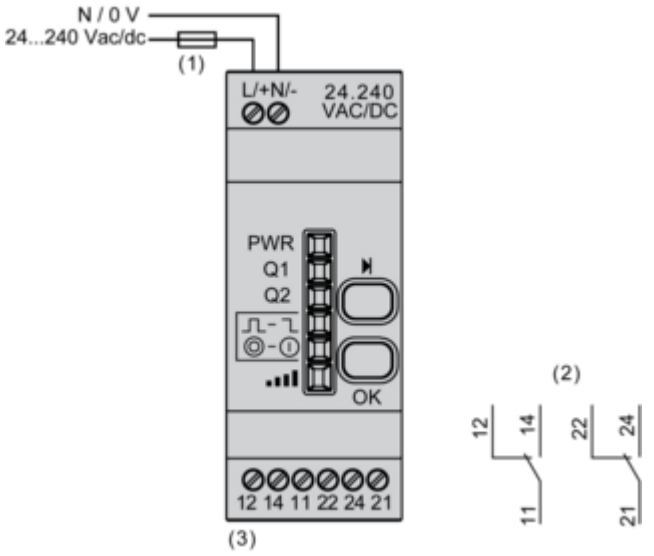
(1) Drive
(2) Power Supply or PLC

Receiver Mounting



Connections and Schema

Programmable Receiver



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

Image of product / Alternate images

Alternative



