Product data sheet

Specifications



Configurable receiver, Harmony XB5R, 2 relays, 2 buttons, 6 indicating LEDs, monostable, bistable, stop start, 24...240V AC DC

ZBRRA

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 at 24 V DC conforming to UL 508
Output type	2 relays
Output contacts	2 C/O
Input output isolation	Galvanic isolation
Time delay range	0.5 s (tolerance: - 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	100 m in free field 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 conforming to IEC 60947-5-1
Breaking capacity	750 VA
Control circuit frequency	50...60 Hz +/- 10 %
Short-circuit protection	0.4 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

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Electrical connection	1 conductor cable 0.14…2.5 mm² - 26 AWG...14 AWG - solid - without cable end conforming to IEC 60947-1 2 conductors cable 0.14…1.5 mm² - 26 AWG...16 AWG - solid - without cable end conforming to IEC 60947-1 1 conductor cable 0.14…4 mm² - 26 AWG...12 AWG - flexible - with cable end conforming to IEC 60947-1 2 conductors cable 0.14…1.5 mm² - 26 AWG...16 AWG - flexible - with cable end conforming to IEC 60947-1
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 reception signal
Mounting support	35 mm symmetrical DIN rail conforming to IEC 60715
Number of channels	1
Modulation Technique	O-QPSK
Width	36 mm
Height	108 mm
Depth	75 mm
Net weight	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…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 (duration = 16 ms) for 6000 shocks conforming to IEC 60068-2-27
IP degree of protection	IP20 (casing) conforming to IEC 60529
Pollution degree	2 conforming to IEC 60664-1
Overvoltage category	II conforming to IEC 60664-1
Insulation resistance	> 500 MOhm at 500 V DC conforming to NF C 20-030
[Ui] rated insulation voltage	250 V conforming to IEC 60664-1
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

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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

Contractual warranty

Warranty (in months)	18

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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

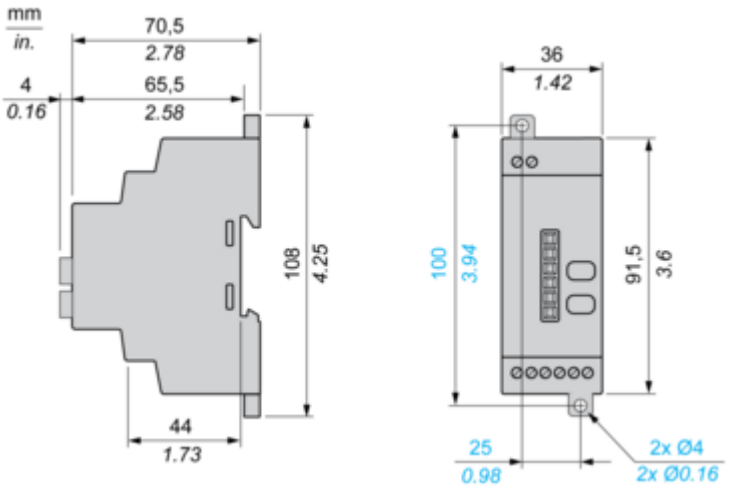
Repack and remanufacture

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**

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Dimensions Drawings

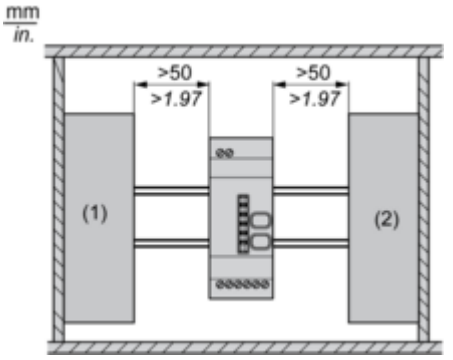
Programmable Receiver



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Mounting and Clearance

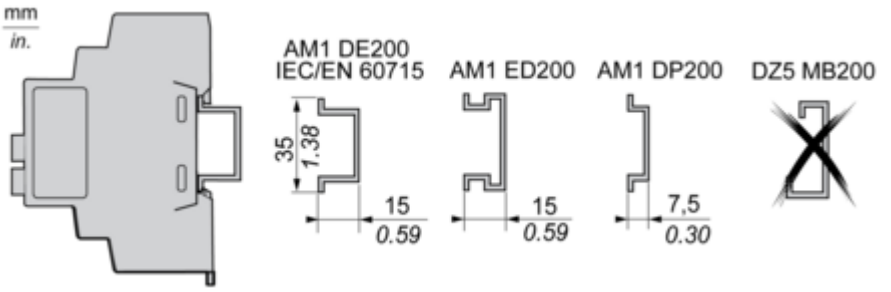
Receiver Clearance



(1) Drive
(2) Power Supply or PLC

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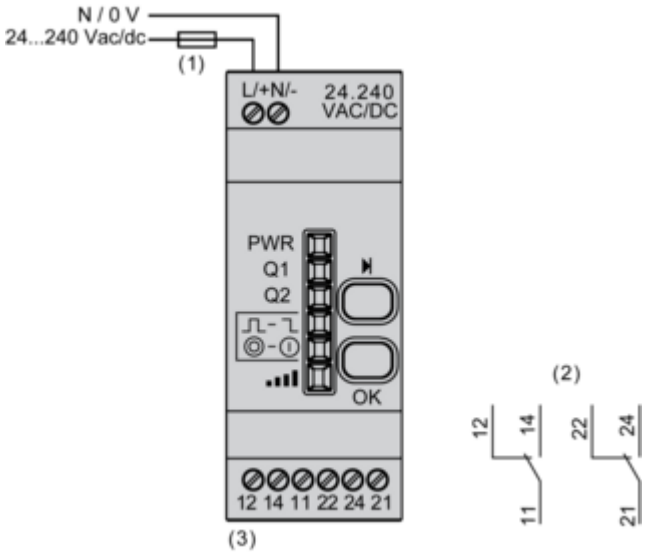
Receiver Mounting



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Connections and Schema

Programmable Receiver



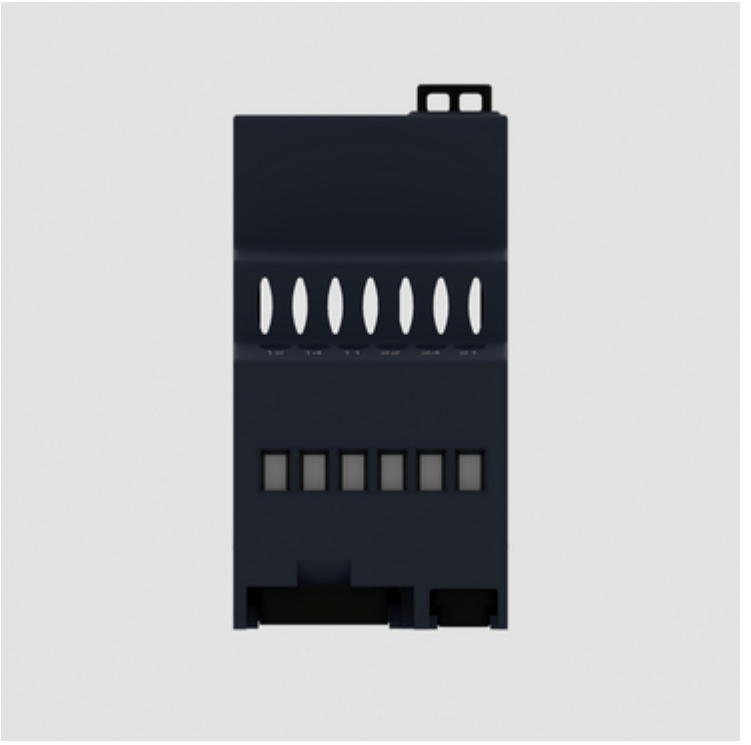
(1) 500 mA
(2) Output contacts
(3) Imax = 3 A

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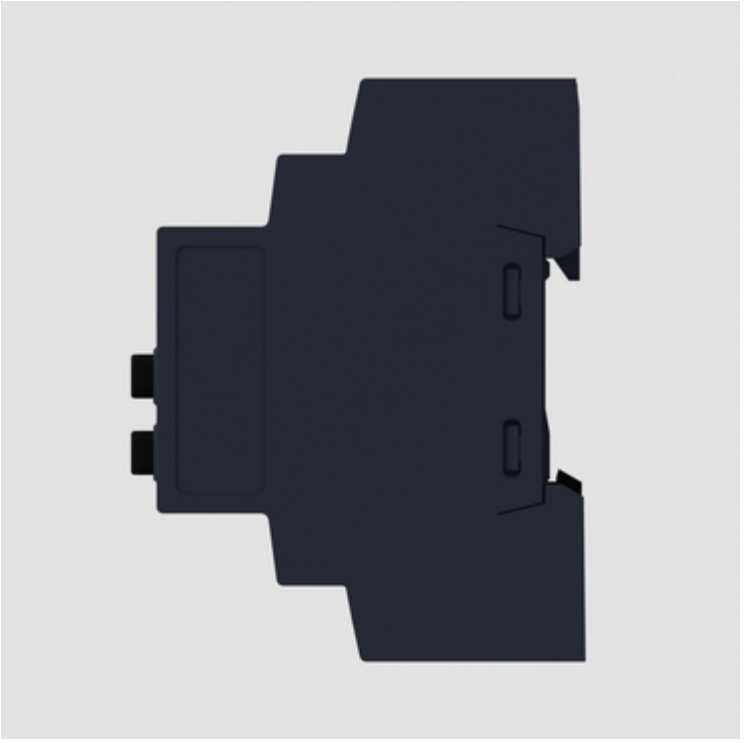
Image of product / Alternate images

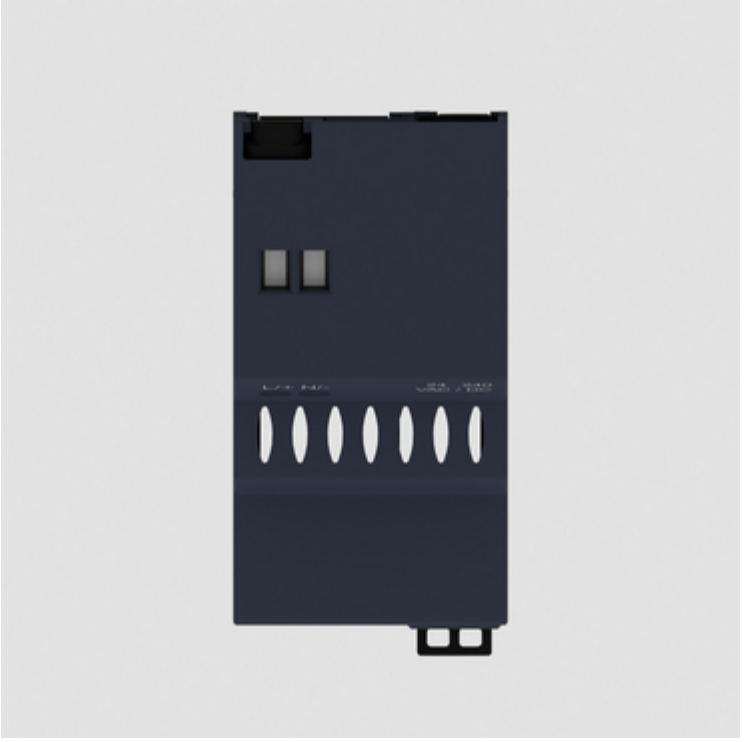
Alternative





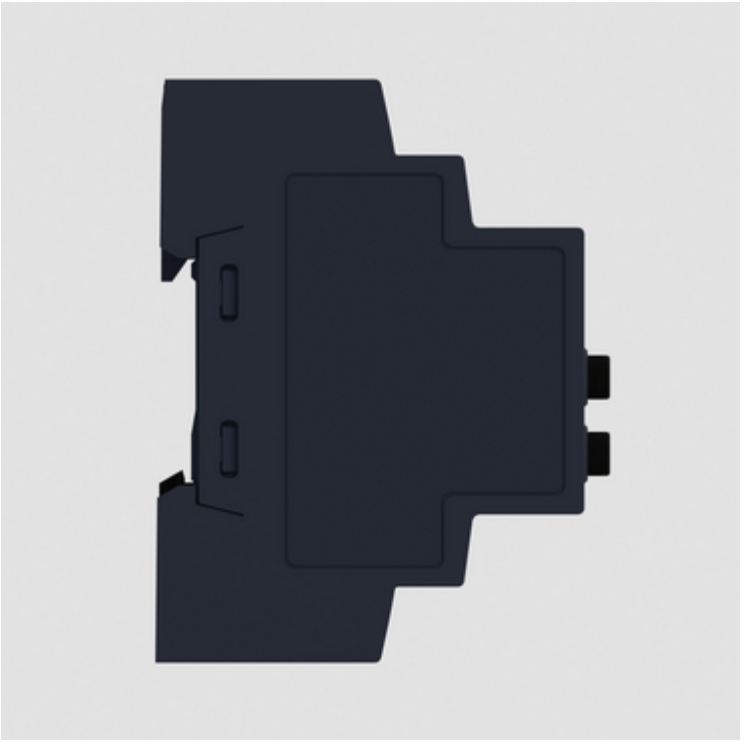
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