Product data sheet

Specifications



Wireless and batteryless range, Harmony XB5R, Relay Antenna, AC DC, 5m cable output

ZBRA1

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	Harmony XB5R
Product or Component Type	Wireless and batteryless range Antenna
Device short name	ZBRA1
Product destination	Wireless Schneider Electric ecosystem devices
Control station application	Transceiver (emission and reception)
Colour of base of enclosure	Black RAL 9011)
Colour of cover	Transparent
Material	Polycarbonate
frequency	2405 MHz transmitter 2405 MHz receiver
Antenna type	Omnidirectional
Antenna gain	0 dBi

Complementary

Maximum sensing distance	328.08 ft (100 m) in free field
Emission Power	3 mW
[Us] Rated Supply Voltage	24...240 V AC/DC 50/60 Hz +/- 10 %
Maximum power consumption in W	3 W AC/DC
Operating position	Vertical
Status LED	1 LED Green power ON 2 LEDs Green emission signal
Overvoltage category	III
Rated short-duration power frequency withstand voltage	4 kV 50 Hz
Electrical connection	2 conductors cable 0.0005 in² (0.34 mm²) - flexible - 16.4 ft (5 m)
Tightening torque	5.3 lbf.in (0.6 N.m)
Housing material	Polycarbonate
Short-circuit protection	0.06 A 24 V DC 0.2 A 240 V AC
Number of Channels	1
Net Weight	0.4 lb(US) (0.2 kg)

Environment

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

Ambient Air Temperature for Storage	-40…158 °F (-40…70 °C)
Relative humidity	5…90 %
Electrical shock protection class	Class II
IP degree of protection	IP65
Pollution degree	3
IK degree of protection	IK03
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
Vibration resistance	+/-0.5 mm (f= 10…55 Hz) 6 gn (f= 55…150 Hz)
Shock resistance	25 gn 6 ms) 6000 shocks 15 gn 11 ms) half sine wave acceleration
Insulation resistance	> 500 MOhm 500 V DC
[Ui] rated insulation voltage	250 V

Ordering and shipping details

Category	US1000I22470
Discount Schedule	000I
GTIN	3606480334689
Returnability	Yes
Country of origin	ID

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	3.150 in (8.000 cm)
Package 1 Width	3.150 in (8.000 cm)
Package 1 Length	7.362 in (18.700 cm)

Package weight(Lbs)	9.418 oz (267.000 g)
Unit Type of Package 2	S03
Number of Units in Package 2	18
Package 2 Height	11.811 in (30.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	11.669 lb(US) (5.293 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	**2 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**2 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]	**0 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	**Yes**
Packaging without single use plastic	**Yes**
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: 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**

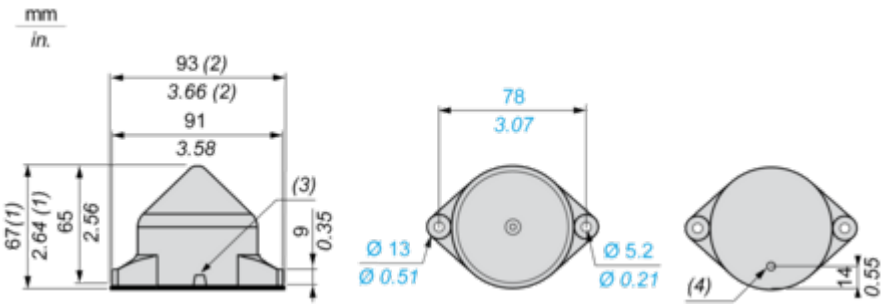
Use Again

Repack and remanufacture

Recyclability potential, in %	**2**
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

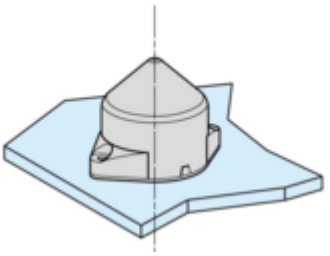
Relay-Antenna



(1) Knock-out for wire routing, maximum capacity 14 mm/0.55 in.
(2) With seal
(3) Radial cable route
(4) Axial cable route

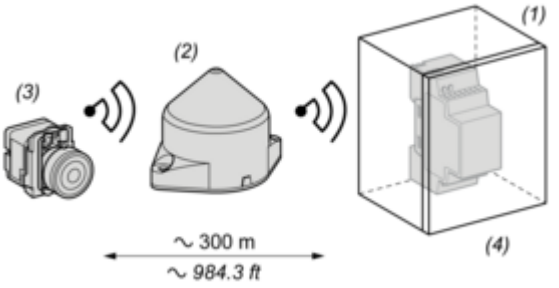
Mounting and Clearance

Antenna Mounting



The antenna is installed following his vertical axis

Antenna Clearance in a Metal Enclosure



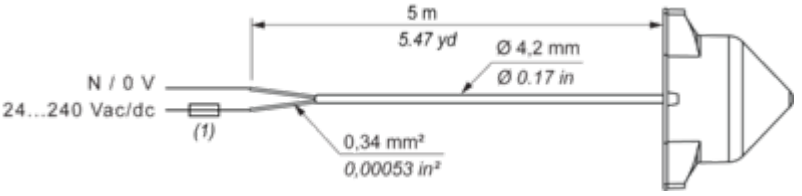
(1): Metal enclosure
(2): Relay Antenna
(3): Transmitter
(4): Receiver
The range is reduced if the transmitter is placed in a metal enclosure (reduction factor:approx 10%).

Glass window	10...20 %
Plaster wall	30...45 %
Brick wall	60 %
Concrete wall	70...80 %
Metal structure	50...100 %

Connections and Schema

Relay-Antenna

Wiring Diagram



(1) 400 mA fast-blow fuse

Image of product / Alternate images

Alternative









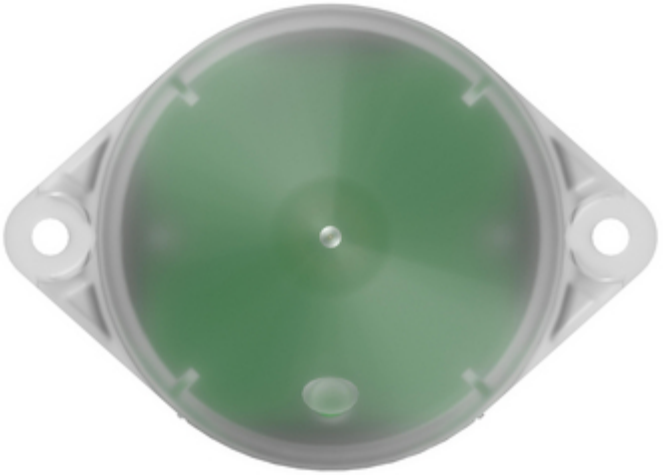








Image of product in real life situation

