

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

Price*: 170.00 USD

Main

Range Of Product	Harmony XB5R
Product Or Component Type	Wireless and batteryless range
Device Short Name	ZBRA
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
Emission Class	5M00G7W
Antenna Type	Omnidirectional

Complementary

Communication Port Protocol	Zigbee green power 2.4 GHz IEEE 802.15.4
Antenna Gain	0 dBi
Maximum Sensing Distance	984.25 ft (300 m) transmitter in box type XAL D, receiver in metal enclosure and use relay-antenna
Emission Power	3 mW
[Us] Rated Supply Voltage	24...240 V AC/DC 50/60 Hz - 10...10 %
Maximum Power Consumption In W	4 W AC/DC
Operating Position	Vertical
Status Led	1 LED Green power ON 1 LED Green emission signal
Overvoltage Category	III IEC 60664-1
Rated Short-Duration Power Frequency Withstand Voltage	4 kV 50 Hz IEC 60947-5-1
[Uimp] Rated Impulse Withstand Voltage	4 kV
Electrical Connection	2 conductors cable 0.00 in² (0.34 mm²) - flexible - 16.40 ft (5 m) IEC 60947-1
Tightening Torque	5.31 lbf.in (0.6 N.m) IEC 60947-1
Housing Material	Self-extinguishing plastic
Short-Circuit Protection	0.4 A fuse fast blow

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

Max Power Consumption In W	1 mW
Number Of Channels	1
Modulation Technique	O-QPSK
Bandwidth	5 MHz
Net Weight	0.44 lb(US) (0.2 kg)

Environment

Ambient Air Temperature For Storage	-40...158 °F (-40...70 °C)
Relative Humidity	90 % -4...131 °F (-20...55 °C), without condensation ETSI EN 300 440-1
Electrical Shock Protection Class	Class II IEC 61140
Ip Degree Of Protection	IP65 IEC 60529 131 °F (55 °C) 0.1 m
Pollution Degree	3 IEC 60664-1
Ik Degree Of Protection	IK03 conforming to IEC 62262
Radio Agreement	RSS SRRC ANATEL, type III ETSI EN 301 489-3 ARIB T66, class 2 ETSI EN 301 489-3 FCC, category 2 ETSI EN 300 440-1 ICASA, category 1 ETSI EN 300 440-1
Product Certifications	CCC BT 2006/95/EC UL GOST CSA CE C-tick
Directives	1999/5/EC - R&TTE directive 2004/108/EC - electromagnetic compatibility
Vibration Resistance	+/-0.5 mm 10...55 Hz)IEC 60068-2-6 6 gn 55...150 Hz)IEC 60068-2-6
Shock Resistance	25 gn 6 ms) 6000 shocks IEC 60068-2-27 15 gn 11 ms) half sine wave acceleration IEC 60068-2-27
Insulation Resistance	> 500 MOhm 500 V DC NF C 20030
[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 (80...2000 MHz) conforming to IEC 61000-4-3 Susceptibility to electromagnetic fields - test level: 3 V/m (80...2700 MHz, distance = 20 m) conforming to IEC 61000-4-3 Electrical fast transient/burst immunity test - test level: 2 kV 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 conforming to IEC 61000-4-11 Radiated emission conforming to ETSI EN 300 440-1 Conducted emission conforming to EN 300-489-1 Conducted emission conforming to ETSI EN 300 489-3 Radiated emission conforming to ETSI EN 300 440-2
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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
Number Of Units In Package 1	1
Package 1 Height	3.15 in (8.000 cm)
Package 1 Width	3.15 in (8.000 cm)
Package 1 Length	7.36 in (18.700 cm)
Package 1 Weight	9.42 oz (267.000 g)
Unit Type Of Package 2	S03
Number Of Units In Package 2	18
Package 2 Height	11.81 in (30.000 cm)
Package 2 Width	11.81 in (30.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	11.67 lb(US) (5.293 kg)

Contractual warranty

Warranty	18 months
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Sustainability



Green Premium™ label is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product’s sustainability >](#)



Transparency RoHS/REACH

Well-being performance

 Mercury Free

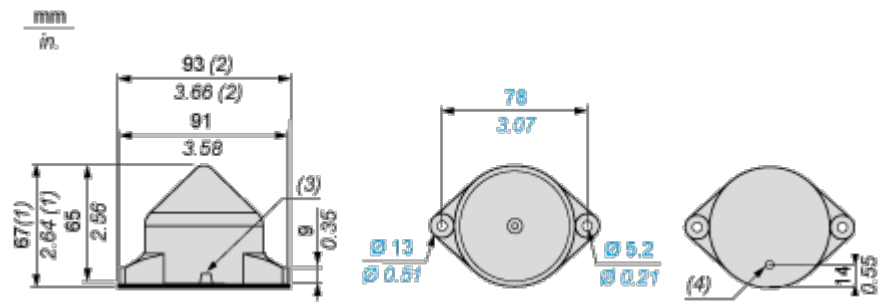
 RoHS Exemption Information [Yes](#)

Certifications & Standards

Reach Regulation	REACH Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
Circularity Profile	End of Life Information
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

Dimensions Drawings

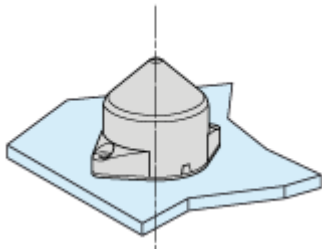
Relay-Antenna



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

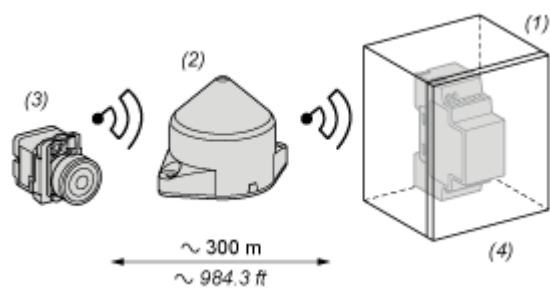
Mounting and Clearance

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

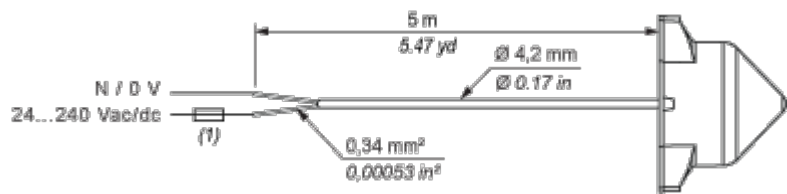
The range is reduced if the transmitter is placed in a metal enclosure (reduction factor:approx 10%).

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