

## Product data sheet

### Characteristics

# ZBRCETH

## Harmony XB5R, Modbus TCP communication module for ZBRN1, 2 Ethernet RJ45 connectors



### Main

Range of product	Harmony Hub
Product or component type	Communication module
Device short name	ZBRCETH
Communication port protocol	Modbus TCP

### Complementary

Integrated connection type	Ethernet RJ45 - 2 twisted pairs - class D
Transmission rate	10/100 Mbit/s
Communication service	Static IP DHCP, Modbus TCP/IP BOOTP
Physical interface	RJ45 - 10BASE-T RJ45 - 100BASE-TX
Marking	CE
Local signalling	1 LED for transmission activity 1 LED for reception activity (RX) 1 LED for module status 1 LED for network status
Product destination	ZBRN1 wireless Harmony Hub
Net weight	0.044 kg

### Environment

Product certifications	CSA[RETURN]JUL 508[RETURN]BTL[RETURN]JUL 873[RETURN]JUL 60730-1
Electromagnetic compatibility	EMC immunity conforming to IEC 61000-6-1 EMC immunity level 2 conforming to IEC 60730-1 Electrostatic discharge level 3B conforming to IEC 61000-4-2 Radiated RF fields level 3A conforming to IEC 61000-4-3 Electrical fast transient/burst immunity test level 4B conforming to IEC 61000-4-4 Surge immunity test level 3 conforming to IEC 61000-4-5 Conducted RF disturbances level 3A conforming to IEC 61000-4-6 Conducted EMC level 2 conforming to IEC 60730-1 Conducted EMC conforming to IEC 61000-6-3 EMC immunity conforming to IEC 61800-3 Conducted EMC conforming to IEC 61800-3 category C1
IP degree of protection	IP20
Ambient air temperature for operation	-20...65 °C
Ambient air temperature for storage	-25...70 °C
Relative humidity	5...95 % without condensation
Pollution degree	2
Operating altitude	0...2000 m
Storage altitude	0...3048 m

Vibration resistance	1.5 mm (f = 3...13 Hz) 1 mm (f = 13...23 Hz) 2 gn (f = 23...150 Hz)
Shock resistance	15 gn for 11 ms

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	0.6 cm
Package 1 Width	12.1 cm
Package 1 Length	14.2 cm
Package 1 Weight	30.0 g
Unit Type of Package 2	S03
Number of Units in Package 2	96
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	6.79 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins