ZBRCETH
Modbus/TCP communication module for ZBRN1 base radio receiver slot

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 LEDtransmission activity: 1 LEDreception activity (RX): 1 LEDmodule status: 1 LEDnetwork status:
Product destination	ZBRN1 wireless Harmony Hub
Product weight	0.044 kg

Environment

Product certifications	CSA UL 508 BTL UL 873 UL 60730-1
Electromagnetic compatibility	EMC immunity conforming to EN/IEC 61000-6-1 EMC immunity level 2 conforming to EN/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 EN/IEC 60730-1 Conducted EMC conforming to EN/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

Contractual warranty

Warranty	18 months