

ZBRN1

access point- 2 RJ45-24..240V AC/DC-4
displays-5 LEDs-Eth-Modbus-wireless radio

Product availability : Stock - Normally stocked in distribution facility

Price* : 400.00 USD



Main

Range of product	Harmony
Product or component type	Wireless access point
Device short name	ZBRN1
Product specific application	Interface to PLC
Function of module	Monostable
Communication port protocol	Zigbee green power at 2.4 GHz conforming to IEEE 802.15.4
Antenna type	Integrated
Transmission frequency	2405 MHz for receiver

Complementary

[Us] rated supply voltage	24...240 V AC/DC at 50/60 Hz (- 10...10 %)
Immunity to microbreaks	10 ms
Maximum sensing distance	328.08 ft (100 m) (in free field) 82.02 ft (25 m) (transmitter in a plastic box type XAL D and receiver in a metal enclosure) 131.23 ft (40 m) (transmitter in box type XAL D, receiver in metal enclosure and use relay-antenna) 196.85 ft (60 m) (transmitter in a plastic box type XAL D and use relay-antenna)
Response time	< 30 ms after transmitter clicks
Channels utilisation	<= 60
Power consumption in W	<= 4 W AC/DC
Breaking capacity	15 W
Breaking capacity	750 VA
Control circuit frequency	50...60 Hz +/- 10 %
Short circuit protection	16 A by GB2 circuit breaker
Operating position	Any position without derating
Tightening torque	0.35...0.4 N.m conforming to EN/IEC 60947-1
Housing material	Self-extinguishing plastic
Status LED	1 LED (green): power ON

	1 LED (yellow): communication network 5 LEDs (red): function mode 1 LED (green and yellow): reception signal
Mounting support	Mounting plate 35 mm symmetrical DIN rail conforming to EN/IEC 60715
Rated short-duration power frequency withstand voltage	1.5 kVat 50 Hz conforming to EN/IEC 60947-5-1
[Uimp] rated impulse withstand voltage	4 kV
Surge withstand	1 kV (differential mode) conforming to IEC 61000-4-5 2 kV (common mode) conforming to IEC 61000-4-5
Width	4.8 in (122 mm)
Height	3.54 in (90 mm)
Depth	2.36 in (60 mm)
Product weight	0.57 lb(US) (0.26 kg)
Antenna gain	0 dBi
Marking	CE
Integrated connection type	Ethernet Modbus TCP/IP (RJ45 in Modbus TCP network) 10/100 Mbit/s 2 twisted pairs
Data storage equipment	SD card
Topology	Devices linked by daisy-chaining or tap junctions
Port Ethernet	10BASE-T/100BASE-T
Cable length	0...3280.84 ft (0...1000 m)
Web services	Predefined web pages configuration

Environment

Radio agreement	SRRC ICASA ANATEL type III conforming to ETSI EN 301 489-3 FCC category 2 conforming to ETSI EN 300 440-1 RSS category 1 conforming to ETSI EN 300 440-1
Product certifications	CCC CE CSA C-Tick GOST UL
Directives	2004/108/EC - electromagnetic compatibility 2006/95/EC - low voltage directive 1999/5/EC - R&TTE directive
Standards	EN/IEC 60950-1 EN/IEC 61131-2 UL 508 EN 62311 CSA C22.2 No 14 ETSI EN 300 440-2 ETSI EN 300 328
Ambient air temperature for storage	-40...158 °F (-40...70 °C)
Relative humidity	90 % (-13...131 °F (-25...55 °C)) without condensation conforming to ETSI EN 300 440-1
Operating altitude	0...6561.68 ft (0...2000 m)
Storage altitude	0...9842.52 ft (0...3000 m)
Vibration resistance	+/- 3.5 mm (f= 5...14 Hz) conforming to IEC 60068-2-6 1 gn (f= 5...150 Hz) on panel mounting conforming to IEC 60068-2-6 2 gn (f= 8...150 Hz) on DIN rail conforming to IEC 60068-2-6
Shock resistance	10 gn (6000 shocks during 16 ms) conforming to IEC 60068-2-27
IP degree of protection	IP20 (casing) conforming to IEC 60529 IP20 (terminals)
Pollution degree	2 conforming to IEC 60664-1
Electromagnetic compatibility	1.2/50 µs shock waves immunity test :1 kV (differential mode) conforming to IEC 61000-4-5 1.2/50 µs shock waves immunity test :2 kV (common mode) conforming to IEC 61000-4-5 Immunity to microbreaks and voltage drops :10 ms conforming to IEC 61000-4-11
Dielectric strength	3000 V AC between input and output 4250 V DC between input and output

1500 V AC between input and ground
2150 V DC between input and ground

Ordering and shipping details

Category	22470 - XB5R WIRELESS PUSH BUTTON
Discount Schedule	I
GTIN	00785901222095
Nbr. of units in pkg.	1
Package weight(Lbs)	0.7000000000000007
Returnability	Y
Country of origin	ID

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 1402 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold