



Radio transmitter, wireless for sensors and switches

XZBWE112A24

Main

Product or component type Radio transmitter Number of inputs 1 sensor input for per transmitter Complementary [Us] rated supply voltage 24 V DC, <15 mA (-1520 %) Contacts type and composition NO Discrete input type NPN or PNP for sensor Supply voltage limits 20.429 V DC Power consumption in W 0.29 W at 24 V DC Maximum supply current for 100 mA at 24 V without overload protection (-1520 %) Voltage state 1 guaranteed 20.4< 24 V for input Current state 1 guaranteed 1.8 mA (input) Voltage state 0 guaranteed > 07.2 V for input Current state 0 guaranteed <= 1.5 mA (input) Response time <30 ms Protection type External fuse, fast blow, 400 mA Communication port protocol Zigbee conforming to IEEE 802.15.4 Zigbee profile Green power Input frequency 0.5 Hz Maximum sensing distance 25 min industrial environment Local signalling Sensor output: 1 LED green or orange for on/off LED blinking for no data transmission Electrical connection Sensor: 1 female connector M12, 4 Marking CE Height 65 mm Depth 23 mm Width 68 mm		
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Local signalling Sensor output: 1 LED green or orange for on/off LED blinking for no data transmission Electrical connection Sensor: 1 female connector M12, 5 Power supply: 1 male connector M12, 4 Marking CE Height 65 mm Depth 23 mm	Input frequency	0.5 Hz
Electrical connection Sensor: 1 female connector M12, 5 Power supply: 1 male connector M12, 4 Marking CE Height 65 mm Depth 23 mm	Maximum sensing distance	
Power supply: 1 male connector M12, 4 Marking CE Height 65 mm Depth 23 mm	Local signalling	
Height 65 mm Depth 23 mm	Electrical connection	
Depth 23 mm	Marking	CE
	Height	65 mm
Width 68 mm	Depth	23 mm
	Width	68 mm
Net weight 0.051 kg	Net weight	0.051 kg

Environment

Product certifications	CE	
Electromagnetic compatibility	Conducted and radiated emissions class B conforming to CISPR 22	
Ambient air temperature for operation	-2555 °C	
Ambient air temperature for storage	-4070 °C	
Relative humidity	90 %, without condensation	
P degree of protection	IP67	
Vibration resistance	+/- 7.5 mm (f= 514 Hz) conforming to IEC 60068-2-6 2 gn (f= 8150 Hz) conforming to IEC 60068-2-6	
Shock resistance	10 gn (duration = 16 ms) for 6000 shocks conforming to IEC 60068-2-27	
Shock resistance		

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	80.0 g
Package 1 Height	4.2 cm
Package 1 width	6.5 cm
Package 1 Length	9.5 cm
Unit Type of Package 2	S01
Number of Units in Package 2	22
Package 2 Weight	1.985 kg
Package 2 Height	15.0 cm
Package 2 width	15.0 cm
Package 2 Length	40.0 cm

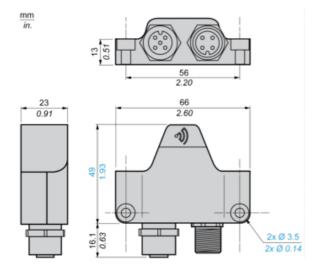
Offer Sustainability

REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), 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

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Dimensions Drawings

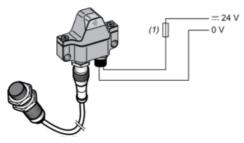
Transmitter Dimensions



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Connections and Schema

Transmitter Wiring Diagram

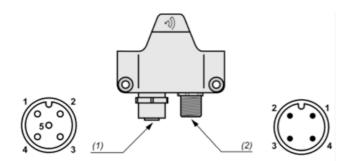


(1) 400 mA fast-blow fuse

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Connections and Schema

Transmitter Wiring Diagram



(1) Socket Sensor Input

Pin 1 : 24 Vdc (output to sensor)
Pin 2 : Not used
Pin 3:0 Vdc
Pin 4 : No NPN or PNP or contact input from the sensor
Pin 5 : Not used

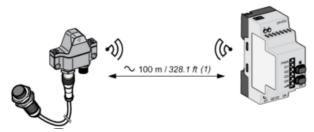
(2) Socket Power Supply (male)

,	(2) Godier ower cappy (male)	
ſ	Pin 1 : 24 Vdc	
	Pin 2 : Not used	
	Pin 3:0 Vdc	
	Pin 4: Not used	

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Mounting and Clearance

Unobstructed Mounting

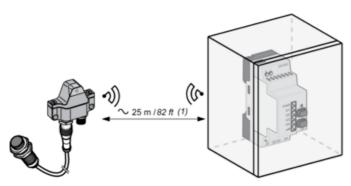


(1) Typical values that may be modified by the application environment.

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Mounting and Clearance

Mounting in a Metal Cabinet



(1) Typical values that may be modified by the application environment.