



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 (-15...20 %)
Contacts type and composition	NO
Discrete input type	NPN or PNP for sensor
Supply voltage limits	20.4...29 V DC
Power consumption in W	0.29 W at 24 V DC
Maximum supply current for sensors	100 mA at 24 V without overload protection (-15...20 %)
Voltage state 1 guaranteed	20.4...< 24 V for input
Current state 1 guaranteed	1.6 mA (input)
Voltage state 0 guaranteed	> 0...7.2 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	100 m in free field 25 m in 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, 5 Power supply: 1 male connector M12, 4
Marking	CE
Height	65 mm
Depth	23 mm
Width	68 mm
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	-25...55 °C
Ambient air temperature for storage	-40...70 °C
Relative humidity	90 %, without condensation
IP degree of protection	IP67
Vibration resistance	+/- 7.5 mm (f= 5...14 Hz) conforming to IEC 60068-2-6 2 gn (f= 8...150 Hz) conforming to IEC 60068-2-6
Shock resistance	10 gn (duration = 16 ms) for 6000 shocks conforming to IEC 60068-2-27

Packing Units

Package 1 Weight	80 g
Package 2 Weight	1.985 kg

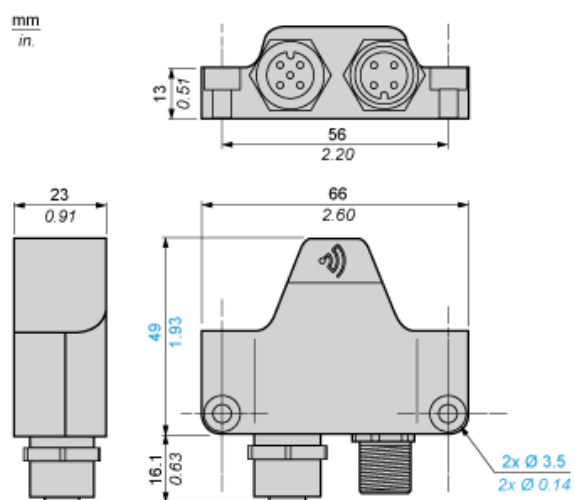
Offer Sustainability

EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes

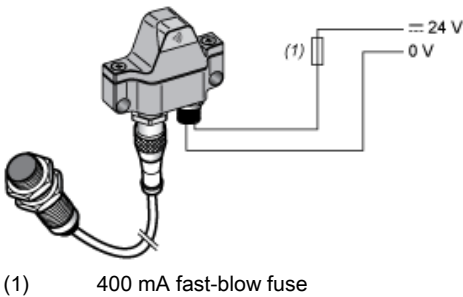
Contractual warranty

Warranty	18 months
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Transmitter Dimensions

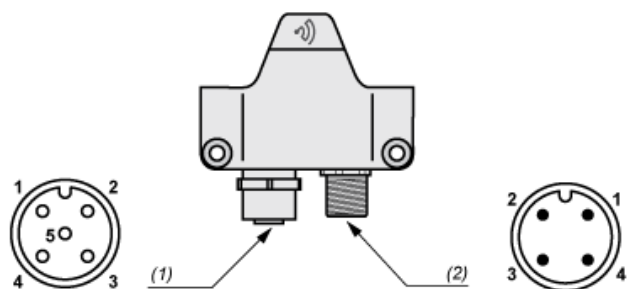


Transmitter Wiring Diagram



(1) 400 mA fast-blow fuse

Transmitter Wiring Diagram



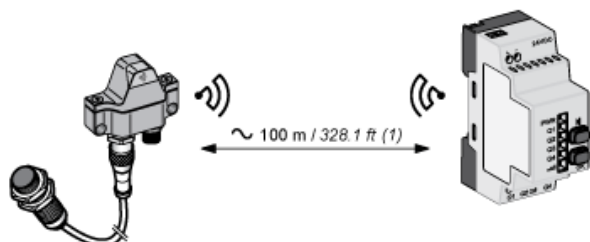
(1) Socket Sensor Input

- 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)

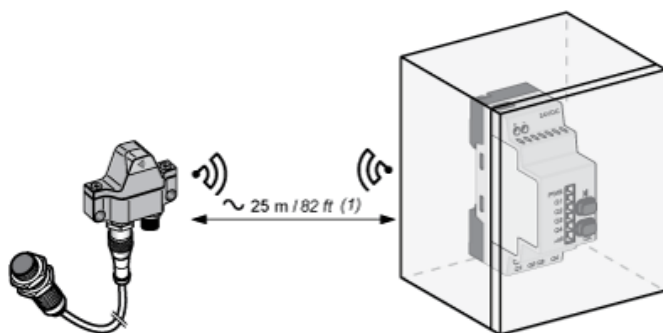
- Pin 1 : 24 Vdc
- Pin 2 : Not used
- Pin 3 : 0 Vdc
- Pin 4 : Not used

Unobstructed Mounting



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

Mounting in a Metal Cabinet



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