



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 CULus FCC IC
Height	65 mm
Depth	23 mm
Width	68 mm
Net weight	0.051 kg

Environment

Product certifications	CE[RETURN]cULus[RETURN]FCC[RETURN]IC
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

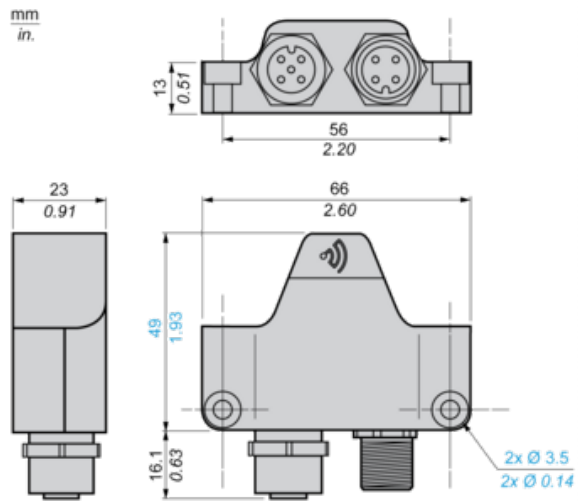
Packing Units

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

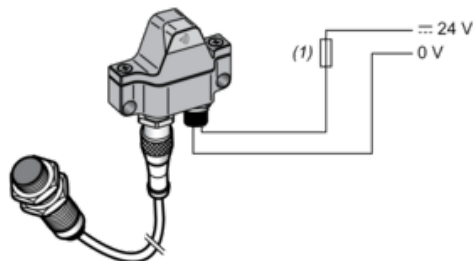
Offer Sustainability

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
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

Transmitter Dimensions

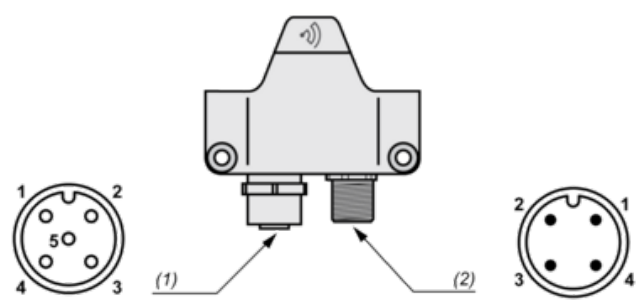


Transmitter Wiring Diagram



(1) 400 mA fast-blow fuse

Transmitter Wiring Diagram



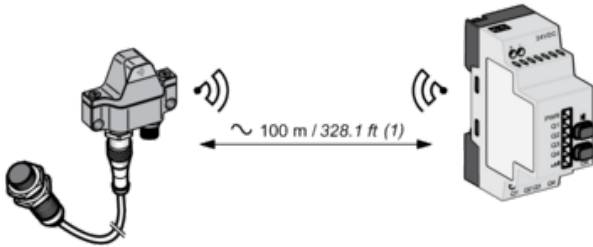
(1) Socket Sensor Input

	<p>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</p>
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(2) Socket Power Supply (male)

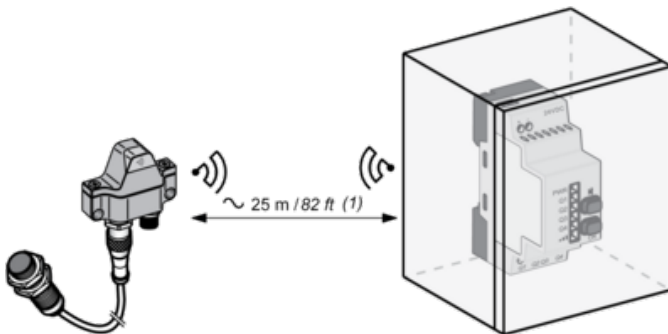
	<p>Pin 1 : 24 Vdc Pin 2 : Not used Pin 3 : 0 Vdc Pin 4 : Not used</p>
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Unobstructed Mounting



(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.