

1) Sensing surface, 2) LED (Tag present), 3) LED (Power), 4) LED (Status), 5) LED (RF active), 6) Tightening torque, 7) Button (Config)



## Basic features

Antenna type	Patch
Approval/Conformity	CE ETSI EN 302 208 cULus WEEE
EN 55022	Size 1, Cl. B
Radio license	Europe
Standards	EPCglobal™ Class 1, Gen 2 ISO 18000-6C

## Display/Operation

Function indicator	Tag Present, LED yellow Power, LED green RF active, LED blue Status, LED red
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## Electrical connection

Connection	M12x1-Male, 4-pin, A-coded
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## Electrical data

Current consumption max. at 24 V DC	200 mA
EN 61000-4-2/3/4/5/6	Severity level 2B/2A/2A/-/3A
Front-to-back ratio	typ.10 dB
Multi-Tag capable	yes
Nominal voltage	24 VDC
Operating voltage $U_b$	24 V DC LPS Class 2
Output power adjustable	5 dBm...24 dBm (3.2 mW...250 mW)
Permissible radiated power	≤ 550 mW ERP
Polarization	circular
Residual ripple max.	10 %
Working frequency	865...868 MHz

## Environmental conditions

Ambient temperature	-20...55 °C
Continuous shock load	yes
EN 60068-2-27, Shock	yes
EN 60068-2-32 Free fall	yes
EN 60068-2-6, Vibration	yes
Protection degree	IP67
Storage temperature	-25...70 °C

## Functional safety

MTTF (40 °C)	110 a
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## Material

Housing material	PC, coated ABS, Zinc, Die casting, (Connector)
Housing material, surface protection	coated

## Output/Interface

Interface	RS485
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## Range/Distance

Axial ratio	typ. 2 dB
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## Mechanical data

Application weight	850.00 g
Dimension	130 x 50.5 x 130 mm

## Remarks

Use permitted only in EU member countries.

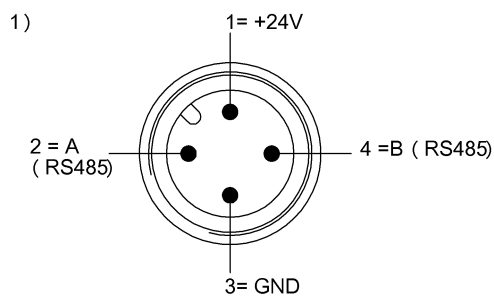
When installing, the technical standards and regulations of the corresponding countries must be observed.

Values are under rated conditions unless otherwise specified.

For more information about MTTF and B10d see MTTF / B10d Certificate

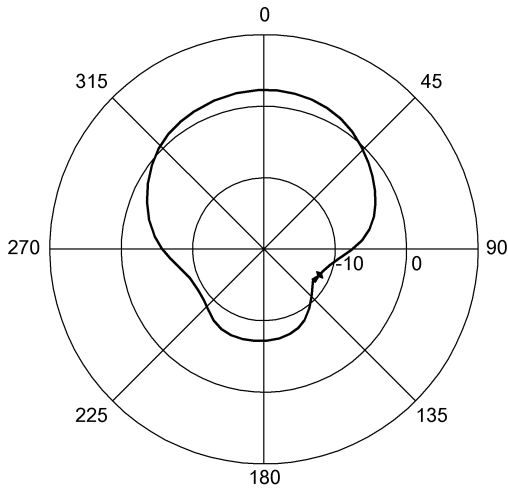
Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

## Connector Drawings

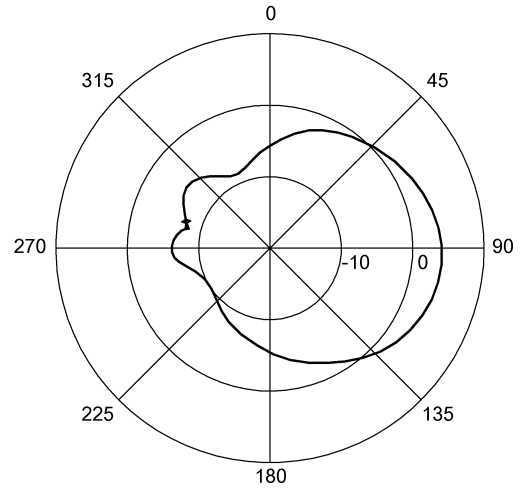


1 ) View towards connector

## Technical Drawings



1)



2)

- 1) Radiation diagram horizontal
- 2) Radiation diagram vertical