

CMIIT ID: 2020DJ12969

## Basic features

<b>Approval/Conformity</b>	CMIIT-Radio Transmiss. Equipm. cULus WEEE EAC
<b>Principle of operation</b>	Processor unit
<b>Radio license</b>	China
<b>Standards</b>	EPCglobal™ Class 1, Gen 2 ISO 18000-6C

## Electrical data

<b>Antenna impedance</b>	50 Ohm
<b>Current consumption max. at 24 V DC</b>	1 A
<b>Multi-Tag capable</b>	yes
<b>Operating voltage <math>U_b</math></b>	19.2...28.8 VDC
<b>Output power adjustable</b>	17 dBm...31.5 dBm (50 mW...1.4 W)
<b>Residual ripple max.</b>	10 %
<b>Working frequency</b>	920.5...924.5 MHz

## Display/Operation

<b>Ready/Error</b>	Green LED/Red LED
<b>Tag Operating</b>	LED orange, flashing
<b>Tag Present (TP)</b>	LED orange

## Environmental conditions

<b>Ambient temperature</b>	-20 °C...55 °C
<b>Continuous shock load</b>	yes
<b>EN 60068-2-27, Shock</b>	yes
<b>EN 60068-2-32 Free fall</b>	yes
<b>EN 60068-2-6, Vibration</b>	yes
<b>IP rating</b>	IP65, with connector
<b>Storage temperature</b>	-20...60 °C

## Electrical connection

<b>Connection (COM 1)</b>	X2 (Profinet): Male, 4-pin, D-coded
<b>Connection (COM 2)</b>	X3 (Profinet): M12x1-Male, 4-pin, D-coded
<b>Connection (Service)</b>	X4 (RS232): M12x1-Male, 4-pin, A-coded
<b>Connection (supply voltage IN)</b>	X1: 7/8"-Male, 5-pin
<b>Connection slots</b>	1: R-TNC-Male 2: R-TNC-Male 3: R-TNC-Male 4: R-TNC-Male

## Functional safety

<b>MTTF (40 °C)</b>	44.6 a
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## Interface

<b>Interface</b>	Profinet galvanically isolated
<b>Service interface</b>	RS232

## Material

<b>Housing material</b>	Steel, Aluminum, coated
<b>Housing material, surface protection</b>	coated

**Mechanical data**

**Application weight**

2100.00 g

**Dimension**

110 x 60 x 315 mm

**Remarks**

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

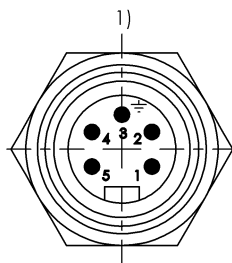
Values are under rated conditions unless otherwise specified.

Operation permitted only in PRChina.

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.

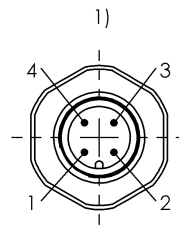
**Connector Drawings**



1) View towards connector  
 2) Male 5-pin/ Function

**X1**

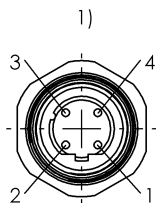
Pin	Function
1	0 V
2	0 V
3	FE
4	+24 V DC
5	+24 V DC



1) View towards connector  
 2) Service port RS232  
 3) Male 4-pin/ Function

**X4**

Pin	Function
1	n.c.
2	TxD
3	GND
4	RxD



1) View towards connector  
 3) Male 4-pin/ Function

**X2 , X3**

Pin	Function
1	TD+
2	RD+
3	TD-
4	RD-