

**Description:**

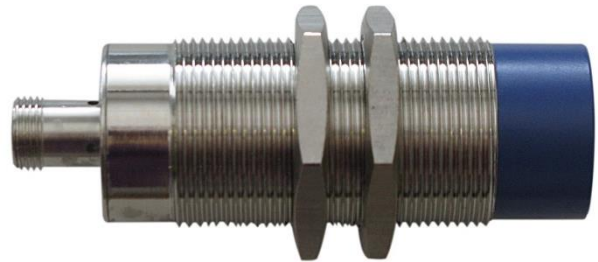
Read / write RFID industrial (IP65) device with integrated antenna and operating in the UHF band (840 MHz – 960 MHz). It communicates with a 'host' (typically a PC or a PLC) through serial line RS232 / RS485 or through CAN bus interface, and liaising with a set of commands between it and the transponder present in the area of influence of the antenna.

**General Features:**

- ✓ Integrated antenna.
- ✓ RS232 / RS485 / CAN bus interface.
- ✓ Upgradable firmware.
- ✓ One signalling bicolor LED.
- ✓ Test and configuration software provided.
- ✓ ANSI C software library (\*.dll, \*.h, \*.def, \*.lib files).
- ✓ Standard ISO 18000-6C (EPC Class 1 Generation 2).
- ✓ CE certified.

**Applications :**

- ✓ Access control.
- ✓ Payment systems.
- ✓ Industrial automation.
- ✓ Doors automation.
- ✓ Parking automation.
- ✓ Logistics.


**Electrical Features**

Supported Transponder	ISO 18000-6C (EPC Class 1 Generation 2)
Power Supply	10 – 36 Vdc
Power Ratings	4W@27dBm
Operating Frequency	840 MHz – 960 MHz
RF Output Power	Max 500mW (27dBm), 1dB step software programmable
Antenna	Integrated
Reading Distance	40cm*
Communication Interface	RS232, RS485, CAN bus
Signaling	1 bicolor LED
Connections	5-poles M12 A-coded male

**Mechanical Features**

Dimensions	D30 x 90.65 mm
Material	Nickel brass, plastic
Protection Class	IP65

**Environmental Conditions**

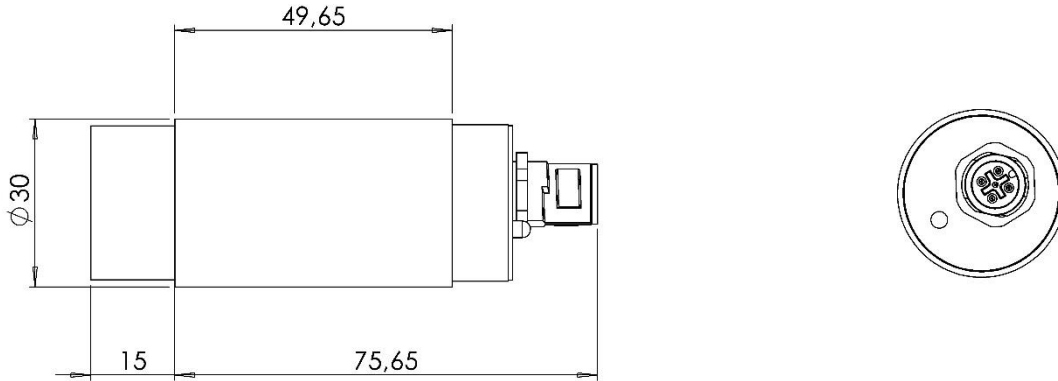
Operating Temperature	-20°C ÷ +55°C
Storage Temperature	-40°C ÷ +85°C
Humidity	Up to 95%, non condensing

**Applicable Standards**

EMC	EN 301 489-1
Radio Regulation	EN 302 208-2
Safety	CEI EN 60950-1
Human Exposure	CEI EN 50364

\*Reading distance depends on tag, antenna and environmental conditions.

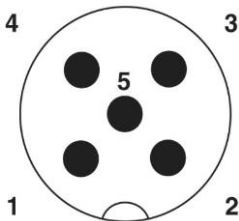
**Mechanical View and Dimensions (in mm)**



Dimensions in mm.

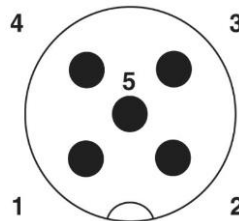
**Electrical Interfaces**

Power supply and serial line connection:



Pin	Description
1	+PWR
2	RS232-TXD RS485-RT+
3	-PWR
4	RS232-RXD RS485-RT-
5	N.C.

Power supply and CAN bus connection:



Pin	Description
1	SHIELD
2	+PWR
3	-PWR
4	CAN H
5	CAN L

**Ordering Codes**

5224U	Read / write UHF RFID device with integrated antenna. With serial RS232 communication interface. EU (865 MHz – 868 MHz) version.
5225U	Read / write UHF RFID device with integrated antenna. With serial RS485 communication interface. EU (865 MHz – 868 MHz) version.
5226U	Read / write UHF RFID device with integrated antenna. With CAN bus communication interface. EU (865 MHz – 868 MHz) version.

**Accessories (Optional)**

0901A	M12 A-coded 5-poles female connector and open ends cable, 3m length (power supply and serial interface).
0922A	M12 A-coded 5-poles female connector and open ends (power supply) + DB9 (serial RS232 interface), 3m length.
0910A	M12 A-coded 5-poles female connector with screw connections and metal shell (power supply and serial interface).
0918A	M12 A-coded 5-poles female connector with screw connections and plastic shell (power supply and serial interface).

\*Reading distance depends on tag, antenna and environmental conditions.