



Solcon EOS RTLS Vehicle Transponder Instruction Manual

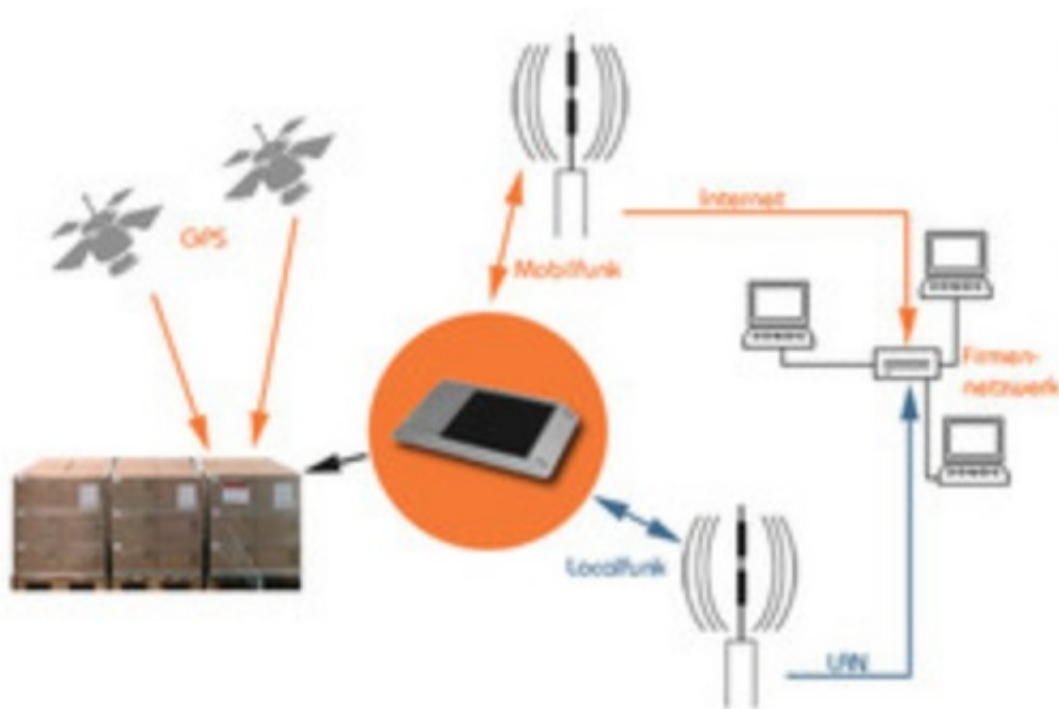
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Solcon EOS RTLS Vehicle Transponder



Solcon Systemtechnik GmbH 2024

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Introduction

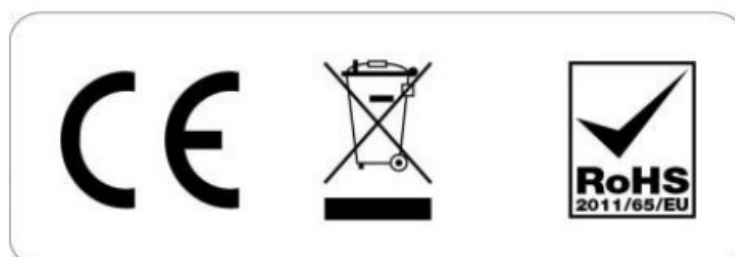
The EOS RTLS vehicle transponder is used to locate vehicles via UWB radio and to enable information to be exchanged between the vehicle and the EOS RTLS. It is designed for indoor use only. If the tag leaves the locating field and does not receive a heartbeat from the indoor infrastructure, it will stop sending signals until it re-enters the locating field. These instructions contain general information on the installation, operation, handling, and care of the device as well as information on the structure and its functions.

Subject to Change

Solcon Systemtechnik reserves the right to make changes to these instructions or the products described from the current series in consultation with Jungheinrich AG. Solcon Systemtechnik assumes no responsibility for technical or editorial omissions and/or errors in this manual.

Declaration of Conformity

This device can be expected to comply with part 15 of the FCC Rules provided it is assembled in exact accordance with the instructions provided with this kit. Operation is subject to the following conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference receiving including interference that may cause undesired operation. You can request the appropriate declaration of conformity for your device by stating the device serial number at:



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Niels-Bohr-Ring 3-5
23568 Lübeck
TEL: +49(0)451-40948-0
FAX: +49(0)451-40948-88
E-MAIL: INFO@SOLCON-SYSTEMTECHNIK.DE

Safety and Use

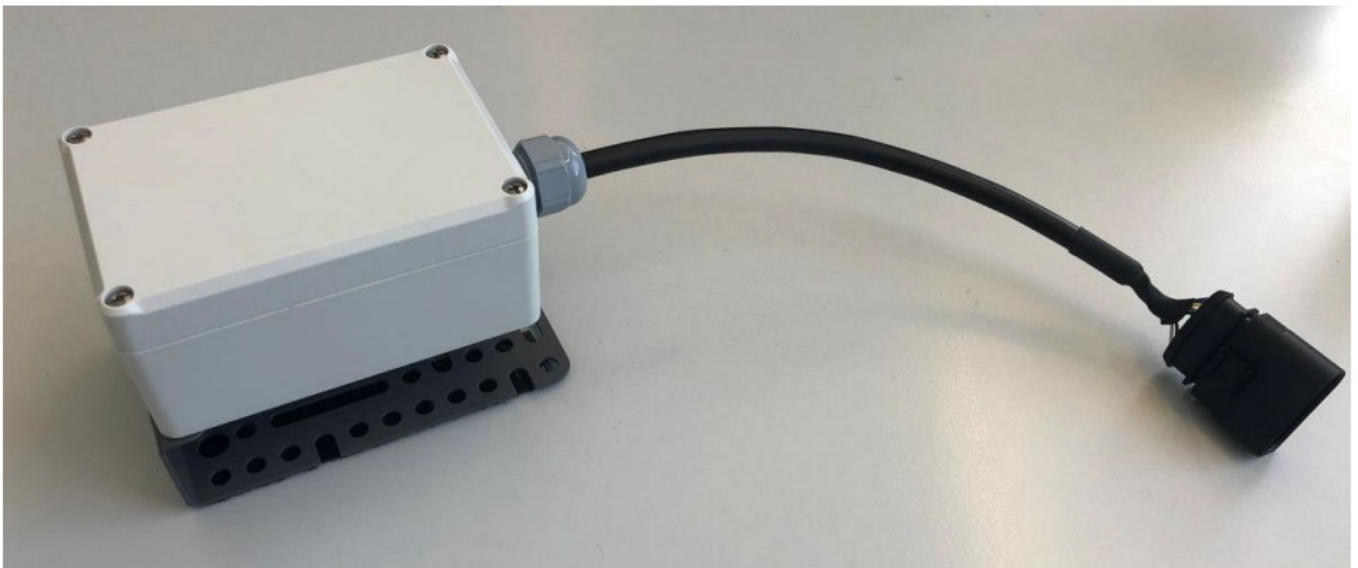
Be sure to read this manual before operating the device. These operating instructions are an important part of the scope of delivery and must also be handed over if the device is passed on. Accident prevention regulations and safety rules must be observed!

DURING OPERATION, THERE SHOULD BE A DISTANCE OF AT LEAST 50 CM BETWEEN THE DEVICE, AND PEOPLE ONLY AUTHORIZED PERSONS ARE ALLOWED TO OPEN THE DEVICE. BEFORE SEALING, MAKE SURE THAT THERE ARE NO LOOSE PARTS IN THE DEVICE.

THE DEVICE MUST BE PROTECTED FROM WATER. DO NOT PLACE BEVERAGES OR LIQUIDS ON THE APPLIANCE. KEEP METALLIC OR KEEP CONDUCTIVE MATERIALS INSIDE THE APPLIANCE. BEFORE MOVING, MOUNTING, G, OR OPENING THE DEVICE, THE CONNECTING CABLE MUST BE DISCONNECTED FROM THE ONBOARD POWER SUPPLY. DAMAGED CABLES, PROTECTIVE COVERS AND PLUG MUST BE REPLACED IMMEDIATELY.

Scope of delivery

1x EOS-RTLS-VT3463



Installation and commissioning

The vehicle transponder can be attached to industrial trucks using the bracket supplied with a screw connection. There are 2 holes for the thread size M10 and additional holes for the thread size M8. The final assembly situation must be evaluated individually for each vehicle type and determined in consultation with Solcon. The functionality in the RTLS must be verified by tests in the system each time the assembly point is changed. The vehicle transponder can be connected to the vehicle CAN-BUS using the 14-pin flat connector. The pin assignment can be seen in Figure 2.

Attention: The vehicle transponder can only be used in conjunction with a corresponding assistance display, which is configured for the functions of the EOS-RTLS. Otherwise, the full range of functions cannot be guaranteed.

14-PIN FLAT CONNECTOR

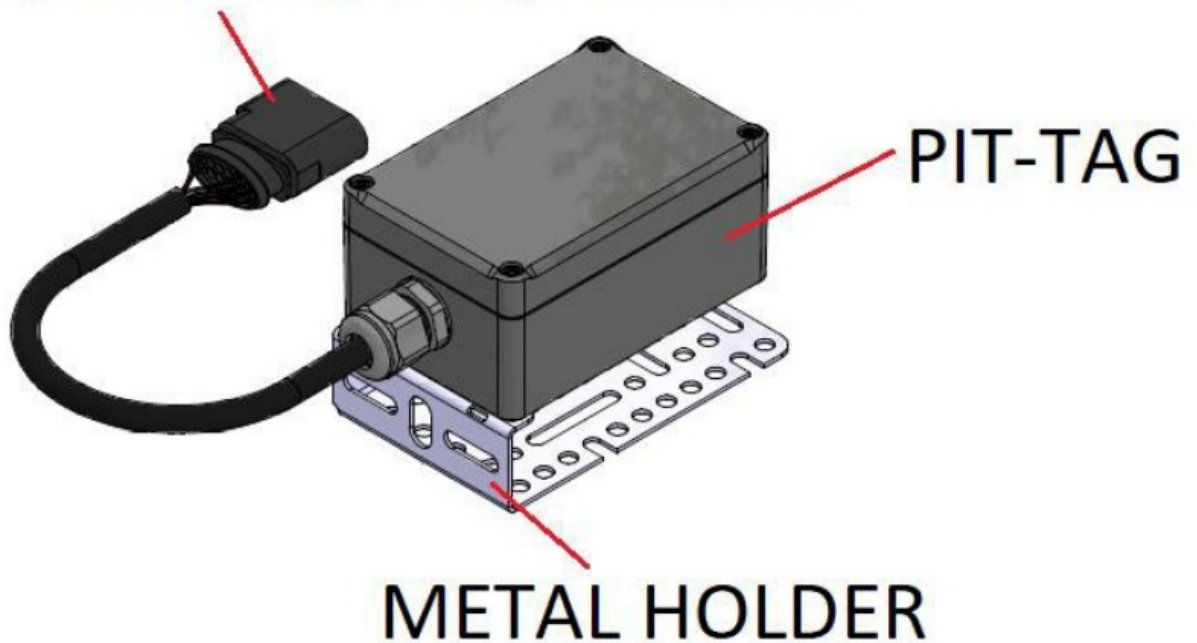


Fig. 1: PIT-TAG with holder und flat connector

Flat connector pin	Cable	Signal
01	WH	GND
02	BN	24V
12	GN	CAN2 low IN
11	YE	CAN2 high IN
14	BU	CAN2 low OUT
13	RD	CAN2 high OUT
10	GY	CAN GND
09	PI	CAN GND

Maintenance and care

The anchor is maintenance-free.

Warranty

The anchor is guaranteed for 12 months. The warranty is limited to design and manufacturing defects. Wear parts and damage caused by incorrect handling or use outside of the environmental specifications are excluded from the warranty. The warranty also expires if the device is opened. In addition, our general terms and conditions apply, which can be found under the following link: <http://www.solcon-systemtechnik.de/agb/>

Device specification

Technical specifications	
Dimensions in mm (L/W/H)	150 X 83 X 90
Weight	430g
Input voltage	24VDC
Power consumption	1,5W
Temperature range	-10°C bis 40°C

CONTACT

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Note on environmental protection

At the end of its useful life, this product must not be disposed of with normal household waste but must be taken to a collection point for the recycling of electrical and electronic equipment. The symbol on the product, the instructions for use, or the packaging indicates this. The materials are recyclable according to their labeling. By resin material recycling or other forms of recycling old devices, you are making an important contribution to protecting our environment. Please ask the municipal administration for the responsible disposal point.

Note

You are also welcome to contact us at info@solcon-systemtechnik.de with the subject disposal of old devices, we will be happy to help you.

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Documents / Resources

	<p>Solcon EOS RTLS Vehicle Transponder [pdf] Instruction Manual EOS RTLS Vehicle Transponder, EOS RTLS, Vehicle Transponder, Transponder</p>
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References

- [Domain steht zum Verkauf - Smartperformance](#)
- [Industrie PC, mobile Arbeitsplätze, RFID - Solcon Systemtechnik](#)
- [User Manual](#)

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