



Installation instructions

Magnetic door contact switch



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Subject to change without notice.

Current versions and additional information can be found online at www.bpw.de.

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1.1 Safety instructions



Comply with the following safety instructions in order to avoid personal injury or property damage.

Correct installation

We strongly recommend that the installation be performed by a specialist workshop. Incorrect installation may cause damage to the TControl units and/or the vehicle. Comply with the specifications of the vehicle manufacturer's instructions.

Risk of injury

Incorrect installation can render essential safety devices ineffective and cause traffic accidents. When performing installations in a refrigeration unit, it is imperative that you switch off the cooling unit before installation in order to ensure that it does not start during the installation and cause injuries through its rotating parts.

Damage to attachments / materials / insulation

Please note that drilling and improper attachment may cause damage to system components and the vehicle. Make sure you have sufficient space for the installation. The cable should not be placed under tension, be crushed or chafed. Damage to the insulations can result in equipment damage.

Attention: use stainless steel mounting screws only (RVS)*!

*RVS = Richtlinien und Vorschriften für das Straßenwesen (Austrian road regulations)

Damage from reverse polarity or short circuits

Always disconnect the battery from the circuit before starting work. Incorrectly connected cables or short circuits may cause serious damage to system components. Before disconnecting the battery, you should find out about the possibility of problems during reconnection.

Damage from incorrect accessories or spare parts

Only use only the parts listed in the "System Components" section to avoid malfunctions.

Effect on the on-board electronics

The system components are designed for specific use in vehicles and are correspondingly protected against radiant emissions. Incorrect installation can exert an influence on the on-board electronics. Comply with the vehicle manufacturer's instructions.

Further instructions

- Always use a high-impedance multi-function meter.
- Wear suitable protective clothing, and remove all rings and necklaces etc. before installation.
- If possible, choose a dry, well-lit and ventilated workplace for installation.
- Comply with regional and/or national regulations.
- When using fastening screws, ensure you have the correct material pairing to prevent contact corrosion.

1.2 General instructions

Comply with the specifications of the general product and safety instructions delivered separately.

Warranty information

Idem telematics provides the separately-agreed warranty for the delivered goods. This does not include defects and damage caused by improper handling, installation or use by the customer.

Sealing the products

The housing of the product is sealed. Every unauthorised opening of the housing voids the manufacturer's warranty and any guarantee claims.

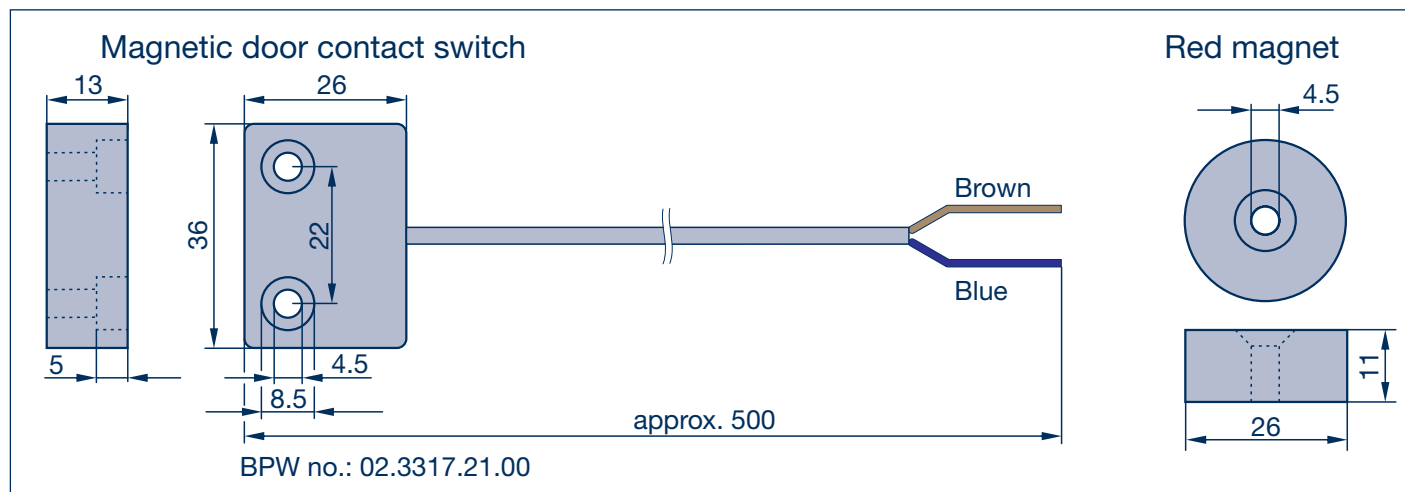
2 System components

You will require the following components to enable a magnetic door contact switch to be connected to the TC-Trailer Gateway:

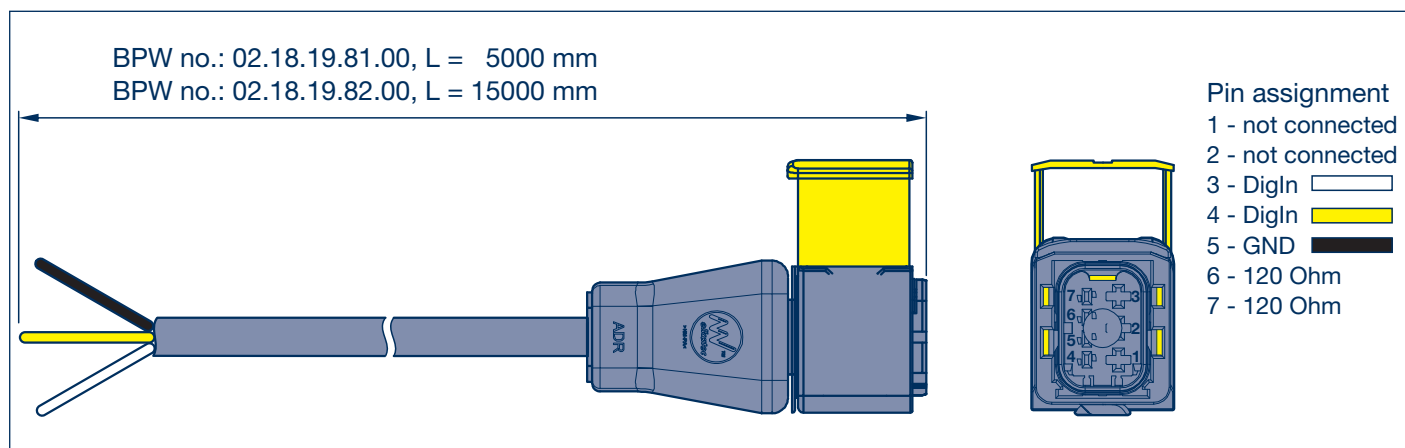
Magnetic door contact switch with magnet, connection cable (DigIn cable), TC Trailer Gateway

Magnetic door contact switch

The magnetic door contact switch is delivered with a red magnet and a c. 500 mm long cable.



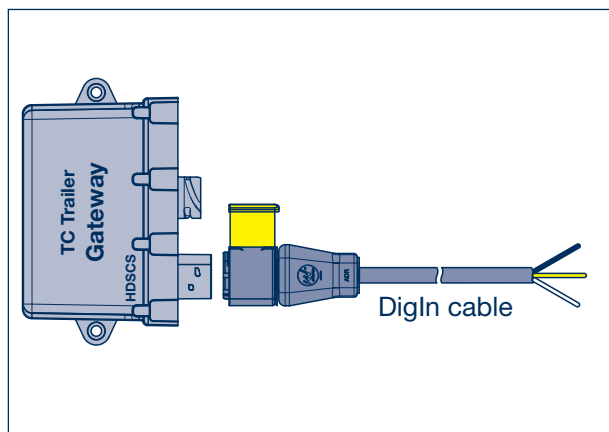
DigIn cable



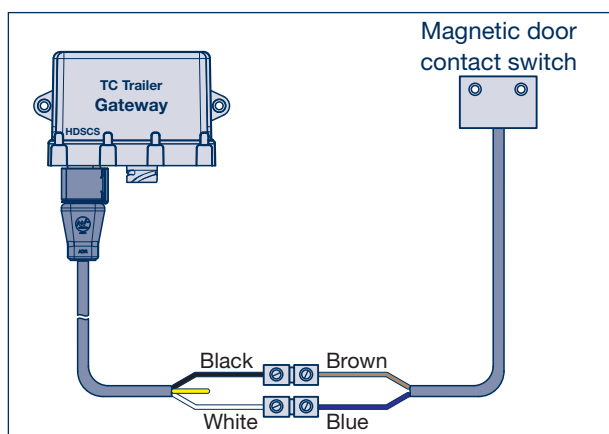
Description of connections

3

Connecting the magnetic door contact switch to the TC-Trailer Gateway via the DigIn cable



1. Connect the DigIn cable with the TC Trailer Gateway. The HDSCS plug is intended for this purpose.

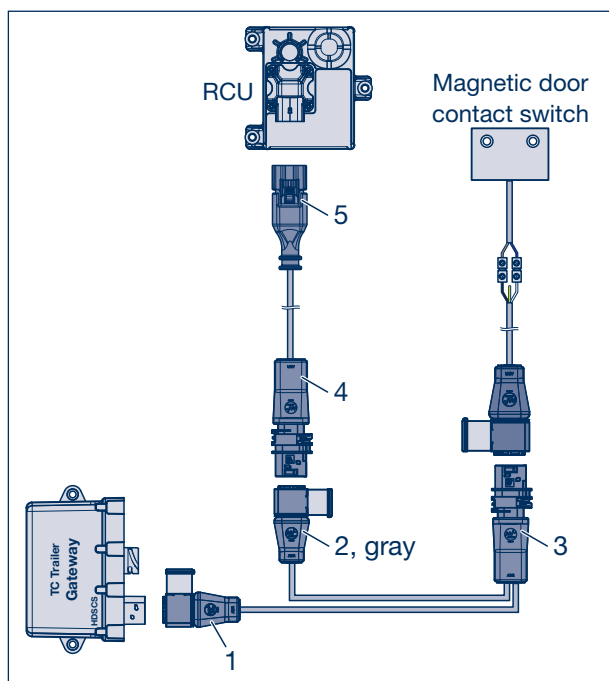


2. Connect the magnetic door contact switch with the DigIn cable.

To this end, the

- white cable (DigIn1) must be connected with the blue cable and the
- black cable (GND) must be connected with the brown cable of the door contact switch.

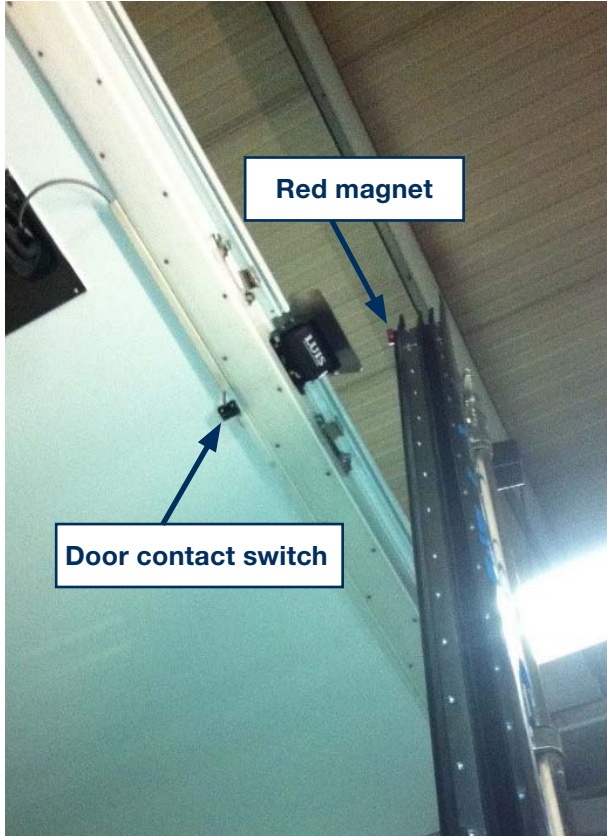
Connection of the magnetic door contact switch to further hubs on the TC-Trailer Gateway



1. Connect the female connector (1) of the Y cable (BPW no.: 02.1819.80.00) with the HDSCS connection of the TC-Trailer Gateway.
2. Now connect the grey female connector (2) of the Y cable to the male connector (4) of the TPMS adapter cable (BPW no.: 02.1819.70.00) and the other end of the cable (5) with the RCU of the TireMonitor.
3. Connect the door contact switch with the DigIn cable
BPW no.: 02.1819.81.00 5 m
BPW no.: 02.1819.82.00 15 m
(see point 2 above).
4. Connect the female connector (6) of the DigIn cable with the male connector (3) of the Y cable.

4 Fitting to the trailer

Fitting the magnetic door contact switch to the trailer



The door switch should be installed in the upper area, centrally in the opening of the structure, so that even a slight open position can be recognized.

To ensure correct installation, comply with the specifications of the separate instructions from the manufacturer of the respective door contact.

Support 5

Support

Please address any questions relating to TC Trailer Gateway products to the idem telematics GmbH technical support team, available from Monday - Friday between 08:00 and 18:00 CET. Contact details below. Please have all relevant information relating to the product and vehicle to hand.

Telephone: +49 (0) 89 720 13 67 - 10

E-mail: www.idemtelematics.com

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