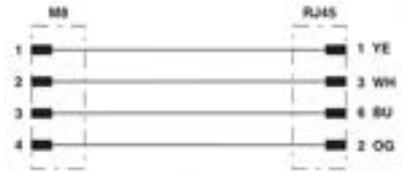


Multi-Gateway

- 10.1 Front plate
- 10.2 Ethernet connection
- 10.3 Power connection
- 10.4 Reset button
- 10.5 Ethernet LED
- 10.6 LED Power
- 10.7 Status LED / Reset button operation indicator

i For installation and alignment, see installation and operational instructions B.0539006.EN

Ethernet connection (10.2)



Example for standard cable: NBC-M 8MS/2,0-93BR4AC network cable (Phoenix Contact)

Power connection (10.3)



Example for standard cable: SAC-4P- 2,0-PUR/M 8FS 0,34 – sensor/actuator cable (Phoenix Contact)

1. Establish connection with Multi-gateway

Preparation

1. Press the reset button (10.4) for 6 seconds
 - The status LED (10.7) continuously lights green the status LED will turn green.
2. Release the reset button (10.4).

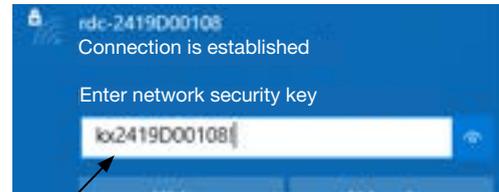
i The multi-gateway is delivered without cables. Standard cables are always used (see above)

Option 1: Connecting via Wi-Fi access point



The access point has the name **rdc-(serial number)** as default. As can be seen on the figure, the serial number can be found on the type tag of the gateway.

Connect the PC, tablet or mobile phone with the Wi-Fi access point (**rdc-(serial number)**).



Entering a network security key is necessary (**kx{serial number}!**)

i The QR code to the right can be used to automatically open the browser without having to enter an IP address.



Alternative to QR code:

1. Open a browser
2. Enter the IP address **192.168.4.1** in the address bar
3. Press the Enter button



Option 2: Connecting via network with static IP address

In the as-delivered condition, the multi-gateway is provided with the fixed IP address **192.168.4.2** and a subnet mask **255.255.0.0**. This makes it possible to contact the multi-gateway from similar networks like **192.168.100.X**. Only the first two parts of the IP range (**192.168**) must be identical, and the subnet mask of the PC that is being connected must be **255.255.0.0**.

After the multi-gateway has been connected with the network, connect the PC to the same network.

The PC can also be connected directly to the network cable, which is not included in the scope of delivery. To do so, you also have to set a static IP address on the PC. It is recommendable to take **192.168.4.3** for this purpose.

1. Open a browser
2. Enter the IP address **192.168.4.2** in the address bar
3. Press the Enter button



2. Configuring the ROBA®-drive-checker via the configuration assistant

The procedure is illustrated below based on the user interface of a mobile phone. It may appear slightly different depending on the device used. It basically looks very similar on all devices.

i The ROBA®-drive-checker measuring sleeve is called Rotor in the configuration assistant and web interface.

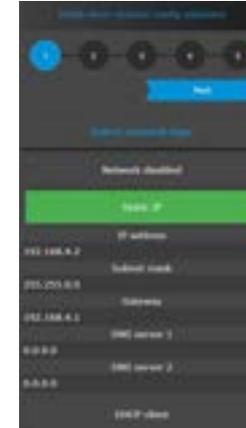
Step 1: Configure network

Note: The network cable is not included in the scope of delivery but can be acquired separately.

Configure the network for the physical network 10.2:

- „Network disabled“ - deactivates item 10.2 completely
- „Static IP“ - manual configuration of the network
- „DHCP client“ - automatic configuration of the network via DHCP server

• Click on **Next** to go to the next page of the configuration assistant

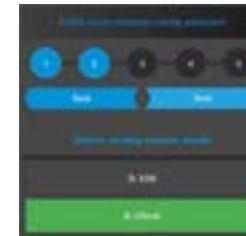


Step 2: Configuring the analog output

There are variants available with a voltage output of 0 – 10 V or a current output of 0 – 20 milliamperes.

• Click on **Next** to go to the next page of the configuration assistant

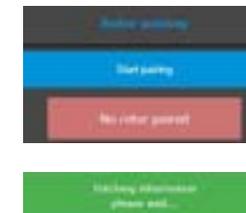
Click **Back** to return to the previous page.



Step 3: Pairing the measuring sleeve

In the as-delivered condition, the multi-gateway and measuring sleeve are set to the factory setting. To be able to use the system and carry out the next steps, both devices must be paired with each other.

• Click **Start pairing** to start the pairing process.



After approx. 40 seconds, the connection between the measuring sleeve and multi-gateway should be made and the multi-gateway queries all information from the measuring sleeve.

The measuring sleeve's most important information such as size and serial number is displayed.

For example, **Paired with DSXXX**, whereby XXX is the size of the measuring sleeve. This example shows a size 16 measuring sleeve

• Click on **Next** to go to the next page of the configuration assistant



Step 4: Adjusting the measuring sleeve distance

If the distance between the measuring sleeve and multi-gateway is too great, connection problems can occur as the measuring sleeve is not supplied with enough voltage. However, if the distance is too small, the measuring sleeve will be supplied with too much voltage. This can damage the measuring sleeve over time.

„Reduce distance“ - mechanically reduce the distance between the multi-gateway and the measuring sleeve

„Enlarge distance“ - mechanically increase the distance between the multi-gateway and the measuring sleeve

As soon as the distance is correct, the following message will be output.

• Click on **Next** to go to the next page of the configuration assistant



Step 5: Adjusting the torque filter

The torque filter defines how the raw signal on the measuring sleeve is filtered before it is transmitted to the multi-gateway.

In principle, the smaller the filter frequency (**1 Hz = small, 1000 Hz = large**), the stronger the signal is filtered (less noise) and fast changes are filtered out.

• Click on **Finish configuration** to finish and accept the configuration.



i Go directly to the ROBA®-drive-checker on the website:

