MX-MODULE RS485/422

Quick Start Guide

Version 20160202
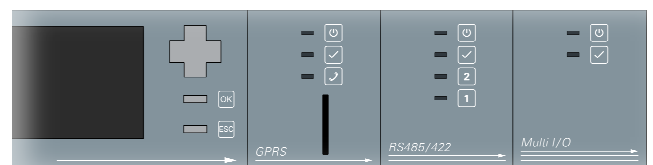

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DEVICE OVERVIEW

①	LED: Power Status
②	LED: Device Status
③	LED: Bus-2 Connection
④	LED: Bus-1 Connection
⑤	Connector for blue'Log expansion
⑥	Interface for RS485/422 – 1
⑦	Interface for RS485/422 - 2
⑧	Case lock

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CONNECTION ORDER

When connecting MX-Modules to the blue'Log X basis device, the following order needs to be considered:

■ The number of lines (incl. line with arrow) at the bottom of the front panel of the blue'Log as well as the MX-Modules indicates the order of connection.

■ When installing various MX-Modules, they must be connected from left to right sorted by the ascending number of lines (incl. line with arrow). Following illustration describes the correct procedure.

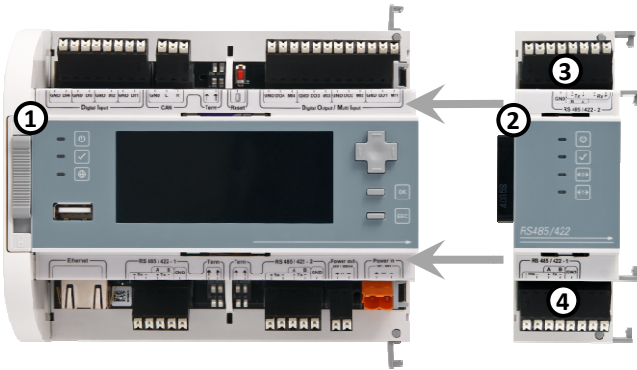| **WARNING** |
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Order of expansion modules

When connecting the MX-Modules in a wrong order, errors might occur and correct function can no longer be ensured.

PREPERATION

- Remove the upper and lower cap from your blue'Log X basis device.
- Disconnect your blue'Log X basis device from the power supply.
- Remove the cap on the right side of the case from your blue'Log X basis device according to the manual.
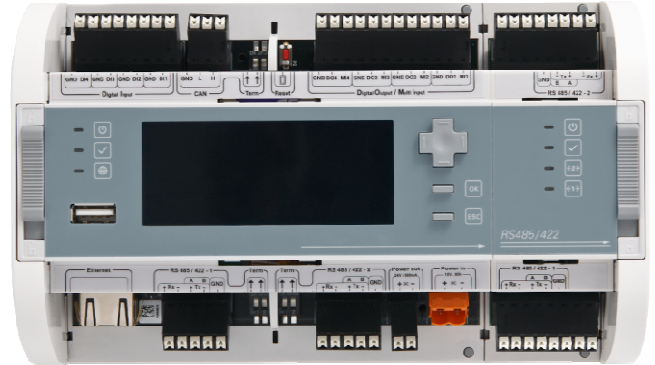
INSTALLATION

The blue'Log X basis device ① is expanded by the MX-Module RS485/422 ② with two additional interfaces ③ and ④.

①	blue'Log X basis device	③	RS485/422 interface – 2
②	MX-Module RS485/422	④	RS485/422 interface – 1

- Connect the MX-Module RS485/422 ②* to the blue'Log X basis device ①*, until no visible gap remains. Check for secure fit.
- Interlock both modules (①* and ②*) by closing the previously opened case locks.
- Reattach the previously removed side cap to the right side of the expansion module and fasten it by closing the case locks.

*Refer to point 3

PIN ASSIGNMENT

The following pin assignment can be applied to both (top and bottom) RS485/422 interfaces (③* and ④*).

Pin	RS485	RS422
1	---	RX+
2	---	RX-
3	RS485 A (+)	TX+
4	RS485 B (-)	TX-
5	GND	GND
6, 7, 8	---	---

STATUS-LEDS

Symbol	LED	Explanation	
⏻	🟢	Green on:	Module supplied with power
	⚪	Off:	Error in power supply
✓	🟢	Green on:	Standard mode: Module recognized
	⚪	Off:	Error: Module not recognized
←2→	🟠	Blinking orange	Data transfer interface 2 active
	🟠	Steady orange light	Error on interface 2
←1→	🟠	Blinking orange	Data transfer interface 1 active
	🟠	Steady orange light	Error on interface 1