

# ***MX-MODULE*** ***RS485/422***

## Quick Start Guide

Version 20230210

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## DEVICE OVERVIEW

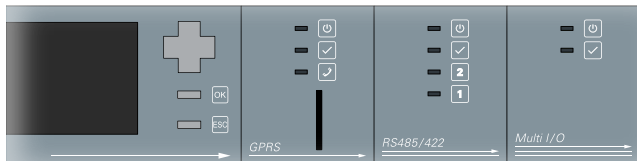


- ① LED: Power Status
- ② LED: Device Status
- ③ LED: Bus-2 Connection
- ④ LED: Bus-1 Connection
- ⑤ Connector for blue'Log expansion
- ⑥ Interface for RS485/422 - 1
- ⑦ Interface for RS485/422 - 2
- ⑧ Case lock

## 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 and on 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). The following illustration describes the correct procedure.



### WARNING

#### Order of expansion modules

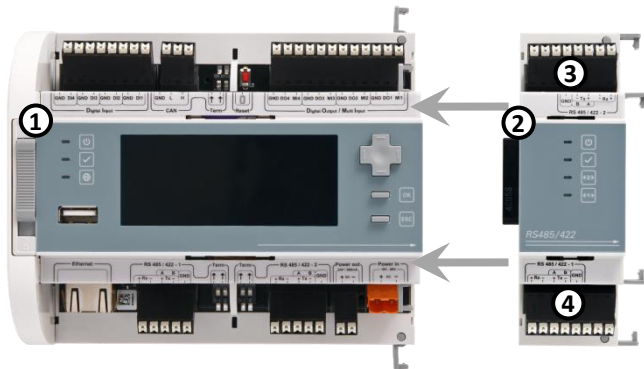
If you connect MX-Modules in the wrong order, errors might occur and correct function can no longer be ensured.

## PREPARATION

- 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.















## 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
		Blinking orange Data transfer interface 2 active
		Steady orange light Error on interface 2
		Blinking orange Data transfer interface 1 active
		Steady orange light Error on interface 1

Further information: [www.meteocontrol.com](http://www.meteocontrol.com)