

## EMERSON OVATION

# 1C31169G02

RS-485 four-wire serial-link personality module

## Product identity and technical data

|                              |                                                    |
|------------------------------|----------------------------------------------------|
| Manufacturer                 | Emerson                                            |
| Part number                  | 1C31169G02                                         |
| Product family               | Ovation I/O                                        |
| Product type                 | Serial-link personality module                     |
| Companion electronics module | 1C31166G01                                         |
| Physical interface           | RS-485, four-wire                                  |
| Supported use                | May also be used for RS-422                        |
| Serial channels              | 1                                                  |
| Controller requirement       | Applicable SLC algorithm in the Ovation Controller |
| Certification context        | Documented for CE Mark certified systems           |

## Product summary

Emerson 1C31169G02 is the four-wire RS-485 personality module used with the 1C31166G01 Ovation Serial Link Controller electronics module.

The assembled controller provides one serial channel for communications with a third-party device or system, and the personality module may also be used for RS-422 wiring.

Before replacement, verify both module identifiers, link standard, four-wire pinout, serial settings, grounding and the applicable Ovation SLC algorithm.

# Configuration and selection checks

## Pairing

- Use 1C31169G02 with the documented 1C31166G01 electronics module.
- The personality module establishes the four-wire RS-485 field interface.
- The complete assembly provides one serial channel or serial port.

## Protocol

- The controller serial link connects an Ovation Controller to a third-party device or system.
- The applicable Serial Link Controller algorithm must be configured in the Ovation Controller.
- RS-422 operation is also documented for the 1C31169G02 interface module.

## Installation

- Match the field wiring to the documented four-wire interface.
- Verify communication settings and grounding against the installed-system drawings.
- The module is documented in the CE Mark certified-system context of the Ovation I/O manual.