



## eloProg fieldbus modules

Direct connection to the machine control/PLC through the fieldbus modules. The configuration takes place with own bus configurator.

Up to 1 fieldbus module can be connected to the base module via the T-connector at the back of the module. The status is displayed via LEDs on the front.

- All common fieldbus protocols are available
- Selectable station addresses via bus configurator
- Bus connection reduces wiring effort and expense
- Different transmission rates depending on selected fieldbus
- Pre-assembled T-connector (proprietary 5-way bus) for connection to the base module simplifies wiring and saves space in the switch cabinet

Technical drawing

IMAGE 1/1



## Product options

IMAGE 1/1

### ORDERING KEY

| 485 | EPF |    |   | Fieldbus module      |
|-----|-----|----|---|----------------------|
|     |     | PD |   | Profibus DP          |
|     |     | DN |   | DeviceNet            |
|     |     | CO |   | CANopen              |
|     |     | EI |   | Ethernet IP          |
|     |     | EI | 2 | 2x Ethernet IP       |
|     |     | EC |   | EtherCAT             |
|     |     | PN |   | PROFINET             |
|     |     | PN | 2 | 2x PROFINET          |
|     |     | UB |   | Universal-Serial-Bus |
|     |     | MR |   | Modbus RTU           |
|     |     | MT |   | Modbus TCP           |

## Article characteristics

| Attribute                       | 485EPFCO                            | 485EPFDN             | 485EPFEC                       | 485EPFEI    | 485EPFEI2      | 485EPFMR ▶ |
|---------------------------------|-------------------------------------|----------------------|--------------------------------|-------------|----------------|------------|
| Transmission rate               | max. 1 MBit/s                       | 125 kBit/s 250 kBit/ | –                              | 100 MBit/s  |                | –          |
| Operating voltage min.          | 19.2 V DC                           |                      |                                |             |                |            |
| Operating voltage max.          | 28.8 V DC                           |                      |                                |             |                |            |
| LED display                     | two-coloured                        |                      |                                |             |                |            |
| Fieldbus system                 | CANopen                             | DeviceNet            | EtherCat                       | Ethernet IP | 2x Ethernet IP | Modbus RTU |
| Selectable station address      | 0...125                             | 0...63               | Depending on the configuration |             |                |            |
| Dimensions                      | 108 x 22,5 x 114,5 mm (H/B/T)       |                      |                                |             |                |            |
| Housing material                | PA                                  |                      |                                |             |                |            |
| Housing colour                  | grau                                |                      |                                |             |                |            |
| Protection class, housing       | IP20 DIN EN 60529                   |                      |                                |             |                |            |
| Operating temperature min.      | -10 °C                              |                      |                                |             |                |            |
| Max. operating temperature      | 55 °C                               |                      |                                |             |                |            |
| Min. storage temperature        | -20 °C                              |                      |                                |             |                |            |
| Max. storage temperature        | 85 °C                               |                      |                                |             |                |            |
| Relative humidity               | 10...95 %                           |                      |                                |             |                |            |
| Mounting type                   | Mounting rail                       |                      |                                |             |                |            |
| Weight                          | 150 g                               |                      |                                |             |                |            |
| Torque for connection terminals | 0.6 N m                             |                      |                                |             |                |            |
| Connection present on PC        | yes                                 |                      |                                |             |                |            |
| Connection to base module       | proprietary 5-way bus (T-connector) |                      |                                |             |                |            |
| Screw terminals                 | yes                                 |                      |                                |             |                |            |
| Pluggable connection terminals  | yes                                 |                      |                                |             |                |            |
| Min. connection cross section   | 0.5 mm²                             |                      |                                |             |                |            |
| Max. connection cross section   | 2.5 mm²                             |                      |                                |             |                |            |
| Certified in accordance with    | UL 508 / CSA 22.2                   |                      |                                |             |                |            |

| Attribute                       | 485EPFMT                            | 485EPFPD    | 485EPFUB                       |
|---------------------------------|-------------------------------------|-------------|--------------------------------|
| Transmission rate               | –                                   | 12 MBit/s   | –                              |
| Operating voltage min.          | 19.2 V DC                           |             |                                |
| Operating voltage max.          | 28.8 V DC                           |             |                                |
| LED display                     | two-coloured                        |             |                                |
| Fieldbus system                 | Modbus TCP                          | Profibus DP | USB interface module           |
| Selectable station address      | Depending on the configuration      | 1...127     | Depending on the configuration |
| Dimensions                      | 108 x 22,5 x 114,5 mm (H/B/T)       |             |                                |
| Housing material                | PA                                  |             |                                |
| Housing colour                  | grau                                |             |                                |
| Protection class, housing       | IP20 DIN EN 60529                   |             |                                |
| Operating temperature min.      | -10 °C                              |             |                                |
| Max. operating temperature      | 55 °C                               |             |                                |
| Min. storage temperature        | -20 °C                              |             |                                |
| Max. storage temperature        | 85 °C                               |             |                                |
| Relative humidity               | 10...95 %                           |             |                                |
| Mounting type                   | Mounting rail                       |             |                                |
| Weight                          | 150 g                               |             |                                |
| Torque for connection terminals | 0.6 N m                             |             |                                |
| Connection present on PC        | yes                                 |             |                                |
| Connection to base module       | proprietary 5-way bus (T-connector) |             |                                |
| Screw terminals                 | yes                                 |             |                                |
| Pluggable connection terminals  | yes                                 |             |                                |
| Min. connection cross section   | 0.5 mm <sup>2</sup>                 |             |                                |
| Max. connection cross section   | 2.5 mm <sup>2</sup>                 |             |                                |
| Certified in accordance with    | UL 508 / CSA 22.2                   |             |                                |