



eloProg 485 EPT bus transfer modules

Decentralised positioning of the eloProg I/O modules is achieved through the bus transfer modules.

The 485 EPT1 module is for use at the beginning and end of the connection; and type 485 EPT2 is for the middle.

This means up to six eloProg module stations with a maximum bus length of 250 m can be implemented. This makes it the perfect solution for large machinery and systems with a reduced wiring effort and expense.

Technical specifications

- Simple connection of the bus transfer modules with screw terminals
- Minimal wiring effort and expense thanks to bus connection
- Bus cable length up to 250 m
- Up to six module stations
- Bus transfer modules are not considered expansion modules (in regards to the max. number of connected modules)
- Pre-assembled T-connector (proprietary 5-way bus) for connection to the base module and other expansion modules simplifies wiring and saves space in the switch cabinet

Technical drawing

IMAGE 1/1



Product options

IMAGE 1/1

ORDERING KEY

| 485EP | T | | Bus transfer module |
|-------|---|---|------------------------|
| | | 1 | Beginning/end of chain |
| | | 2 | Middle of chain |

Article characteristics

| Attribute | 485EPT1 | 485EPT2 |
|--|--|--------------|
| Max. number of bus transfer modules | 6 | |
| Operating voltage min. | 19.2 V DC | |
| Operating voltage max. | 28.8 V DC | |
| Power consumption | 3 W | |
| LED display | two-coloured | |
| Number of connection channels | 1 | 2 |
| Module type | Anfang-/Ende-Modul | Mitten-Modul |
| Dimensions | 108 x 22,5 x 114,5 mm (H/B/T) | |
| Housing material | PA | |
| Housing colour | Gehäuse schwarz Frontplatte gelb | |
| 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 to base module | proprietary 5-way bus (T-connector) | |
| Max. length of the connection cables | 50 m | |
| Screw terminals | yes | |
| Pluggable connection terminals | yes | |
| Min. connection cross section | 0.5 mm ² | |
| Max. connection cross section | 2.5 mm ² | |
| Fieldbus module connection | - am ersten Bustransfermodul - am Basismodul | |
| Connection from connection line to bus transfer module | Anschlussklemme | |
| Certified in accordance with | EN ISO 13849-1 IEC 61508 IEC 62061 UL 508 / CSA 22.2 | |