



eloProg input expansion 485EPE

Depending on the module variant, the input modules can be expanded by an additional 8, 12 or 16 safety inputs.

Up to 4 additional expansion units of the same type (e.g. input module) can be connected to the base module. This allows a maximum number of 128 safety inputs to be achieved.

Technical specifications

- Up to 8 test outputs for sensor monitoring
- Diagnostics via LEDs
- 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 | E | | Module for input expansion |
|-------|---|----|----------------------------|
| | | 08 | 8 safety inputs |
| | | 12 | 12 safety inputs |
| | | 16 | 16 safety inputs |

Article characteristics

| Attribute | 485EPE08 | 485EPE12 | 485EPE16 |
|--|-------------------------------------|-----------------------------|-----------------------------|
| Connection to base module | proprietary 5-way bus (T-connector) | | |
| Torque for connection terminals | 0.6 N m | | |
| Contact form | Abhängig von der Konfiguration | | |
| Number of test outputs (clocked) | 4 | 8 | 4 |
| Number of safety inputs | 8 | 12 | 16 |
| Start-up test present | Depending on the configuration | | |
| Operating voltage min. | 19.2 V DC | | |
| Operating voltage max. | 28.8 V DC | | |
| Power consumption | 3 W | | |
| Wire-break detection | Depending on the configuration | | |
| Short-circuit detection | Depending on the configuration | | |
| Cross-short detection | Depending on the configuration | | |
| LED display | four-coloured | | |
| Operating time | Depending on the configuration ms | | |
| Response time | in Bericht eP Safety Designer ms | | |
| PL acc. to EN ISO 13849-1 | e | | |
| SIL acc. to IEC 61508 | 3 | | |
| SIL CL acc. to IEC 62061 | 3 | | |
| PFHD according to IEC 61508 | 4,46 x 10 ⁻⁹ 1/h | 5,60 x 10 ⁻⁹ 1/h | 4,93 x 10 ⁻⁹ 1/h |
| Safe Failure Fraction (SFF) to IEC 61508 | 99.7 % | | 99.8 % |
| Operating life | 20 Tm | | |
| Category acc. to EN ISO 13849-1 | 4 | | |
| Dimensions | 108 x 22,5 x 114,5 mm (H/B/T) | | |
| Housing material | PA | | |
| Housing colour | Gehaeuse 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 % | | |

| Attribute | 485EPE08 | 485EPE12 | 485EPE16 |
|--------------------------------|--|----------|----------|
| Mounting type | Mounting rail | | |
| Weight | 135 g | 185 g | |
| 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 | EN ISO 13849-1 IEC 61508 IEC 62061 UL 508 / CSA 22.2 | | |
| CE label | yes | | |