



eloProg input/output module 485EPE_A

The input/output module expands the inputs and outputs, the test outputs and control inputs of the base module.

Technical specifications

- 8 safety inputs and 2 safe, redundant transistor outputs
- 4 test outputs for sensor monitoring
- Diagnostics via 2 configurable control outputs and LEDs
- EDM inputs for monitoring of downstream contactors or connection of a start push button
- 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



Article characteristics

| Attribute | 485EPE08A02 |
|--|-------------------------------------|
| Connection to base module | proprietary 5-way bus (T-connector) |
| Torque for connection terminals | 0.6 N m |
| Max. switching voltage at safety output | 24 V DC |
| Max. switching voltage at control output | 24 V DC |
| Max. switching current at safety output | 0.4 A |
| Max. switching current at control output | 0.1 A |
| Number of configurable electronic safety outputs | 2 |
| Number of electronic control outputs | 2 |
| Number of test outputs (clocked) | 8 |
| Number of safety inputs | 8 |
| Stop category 0 (STO) nach IEC 61800-5-2 | Depending on the configuration |
| Stop category 1 (SS1) nach IEC 61800-5-2 | Depending on the configuration |
| EDM/start input | Depending on the configuration |
| Start function | Depending on the configuration |
| Feedback circuit | Depending on the configuration |
| 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 |

| Attribute | 485EPE08A02 |
|--|--|
| PFHD according to IEC 61508 | 5,67 x 10 ⁻⁹ 1/h |
| Safe Failure Fraction (SFF) to IEC 61508 | 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 % |
| Mounting type | Mounting rail |
| Weight | 185 g |
| Screw terminals | yes |
| Pluggable connection terminals | yes |
| Min. connection cross section | 0.5 mm ² |
| Max. connection cross section | 2.5 mm ² |
| Certified in accordance with | EN ISO 13849-1 IEC 61508 IEC 62061 UL 508 / CSA 22.2 |
| CE label | yes |