



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	ED485EPE08A02
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	ED485EPE08A02
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	-