



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	ED485EPE08	ED485EPE12	ED485EPE16
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	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 %			-		

Attribute	485EPE08	485EPE12	485EPE16	ED485EPE08	ED485EPE12	ED485EPE16
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			-		