

eloProg input expansion 485EPE

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

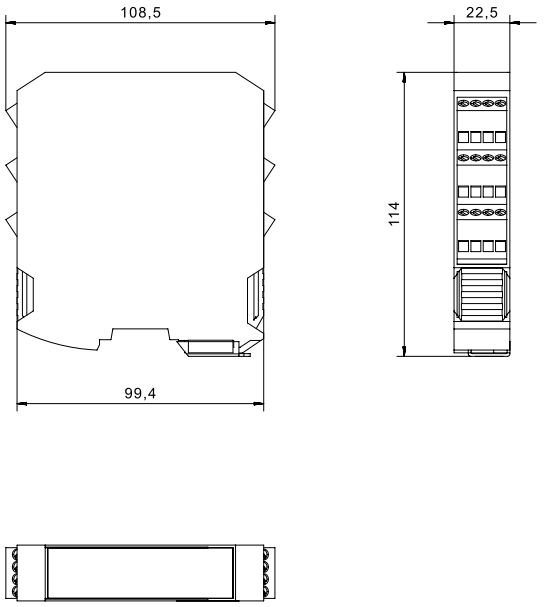
Up to 4 additional expansion units of the same type (e.g. input module) can be connected to the base module. This allows a maximum number of 128 safety inputs to be achieved.

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

Attribute	485EPE08	485EPE12	485EPE16
Connection to base module	proprietary 5-way bus (T-connector)		
Torque for connection terminals	0.6 N m		

Electrical data

Attribute	485EPE08	485EPE12	485EPE16
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	je nach Konfiguration ms		

Safety-related characteristics

Attribute	485EPE08	485EPE12	485EPE16
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	5,75 x 10-9 1/h	3,24 x 10-9 1/h	7,09 x 10-9 1/h
Operating life	20 Tm		
Category acc. to EN ISO 13849-1	4		

Mechanical data

Attribute	485EPE08	485EPE12	485EPE16
Dimensions	108 x 22,5 x 114,5 mm (H/B/T)		

Material information

Attribute	485EPE08	485EPE12	485EPE16
Housing material	PA		
Housing colour	Gehaeuse schwarz Frontplatte gelb		

Environmental conditions

Attribute	485EPE08	485EPE12	485EPE16
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 %		

Installation

Attribute	485EPE08	485EPE12	485EPE16
Mounting type	Mounting rail		
Weight	150 g		

Connection

Attribute	485EPE08	485EPE12	485EPE16
Screw terminals	yes		
Pluggable connection terminals	yes		
Min. connection cross section	0.5 mm²		
Max. connection cross section	2.5 mm²		

Approvals

Attribute	485EPE08	485EPE12	485EPE16
Certified in accordance with	EN ISO 13849-1 IEC 61508 IEC 62061 UL 508 / CSA 22.2		
CE label	yes		