elobau GmbH & Co. KG
Zeppelinstr. 44
88299 Leutkirch, Germany

Tel.: +49 (0) 7561 970-0
Fax: +49 (0) 7561 970-100



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

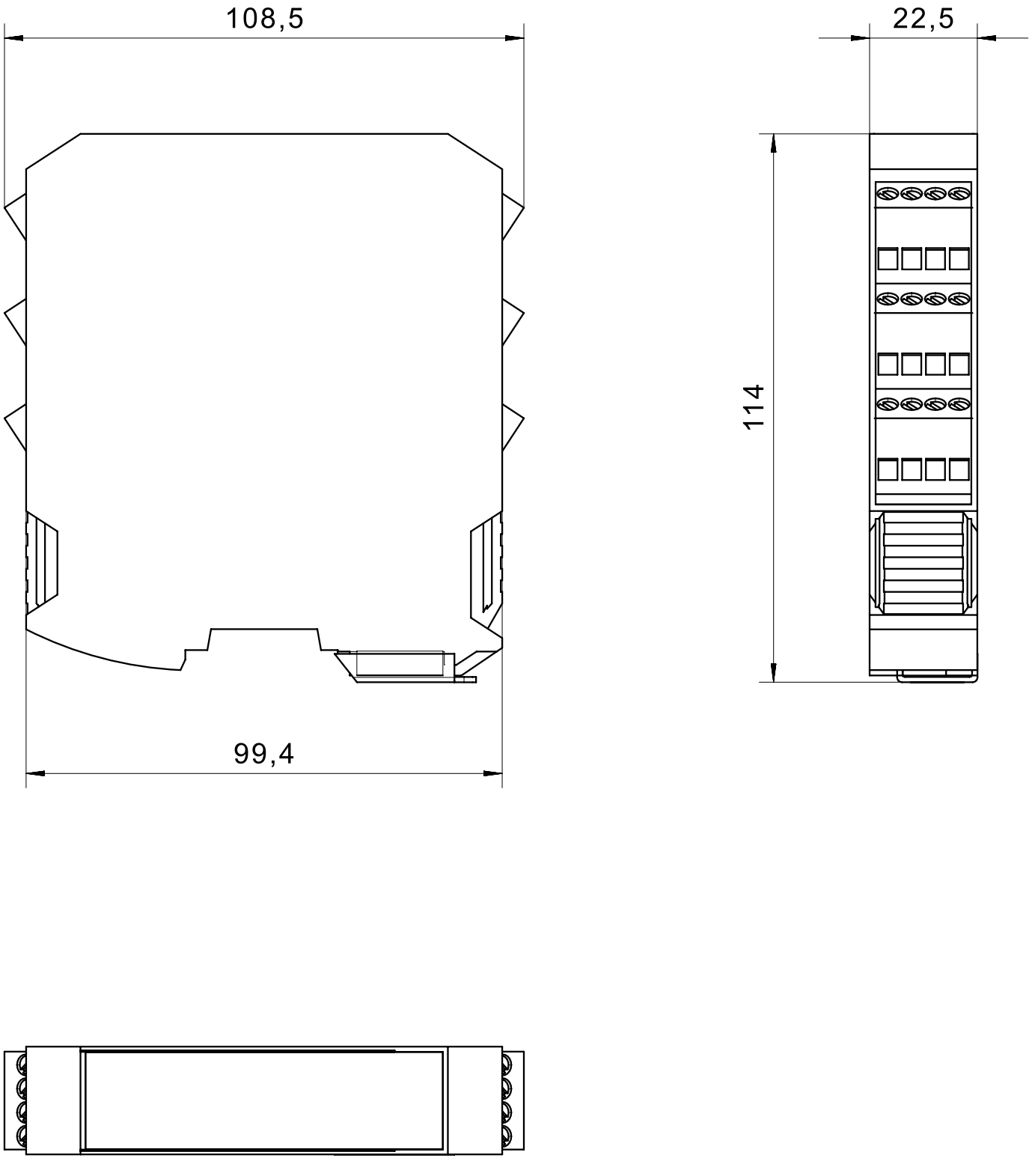
- Up to 8 test outputs for sensor monitoring
- Diagnostics via LEDs
- Pre-assembled T-connector (proprietary 5-way bus) for connection to the base module and other expansion modules simplifies wiring and saves space in the switch cabinet

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Technical drawing

IMAGE 1/1



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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

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Article characteristics

Attribute	485EPE08	485EPE12	485EPE16
Connection to base module	propriertary 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 %		

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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		