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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

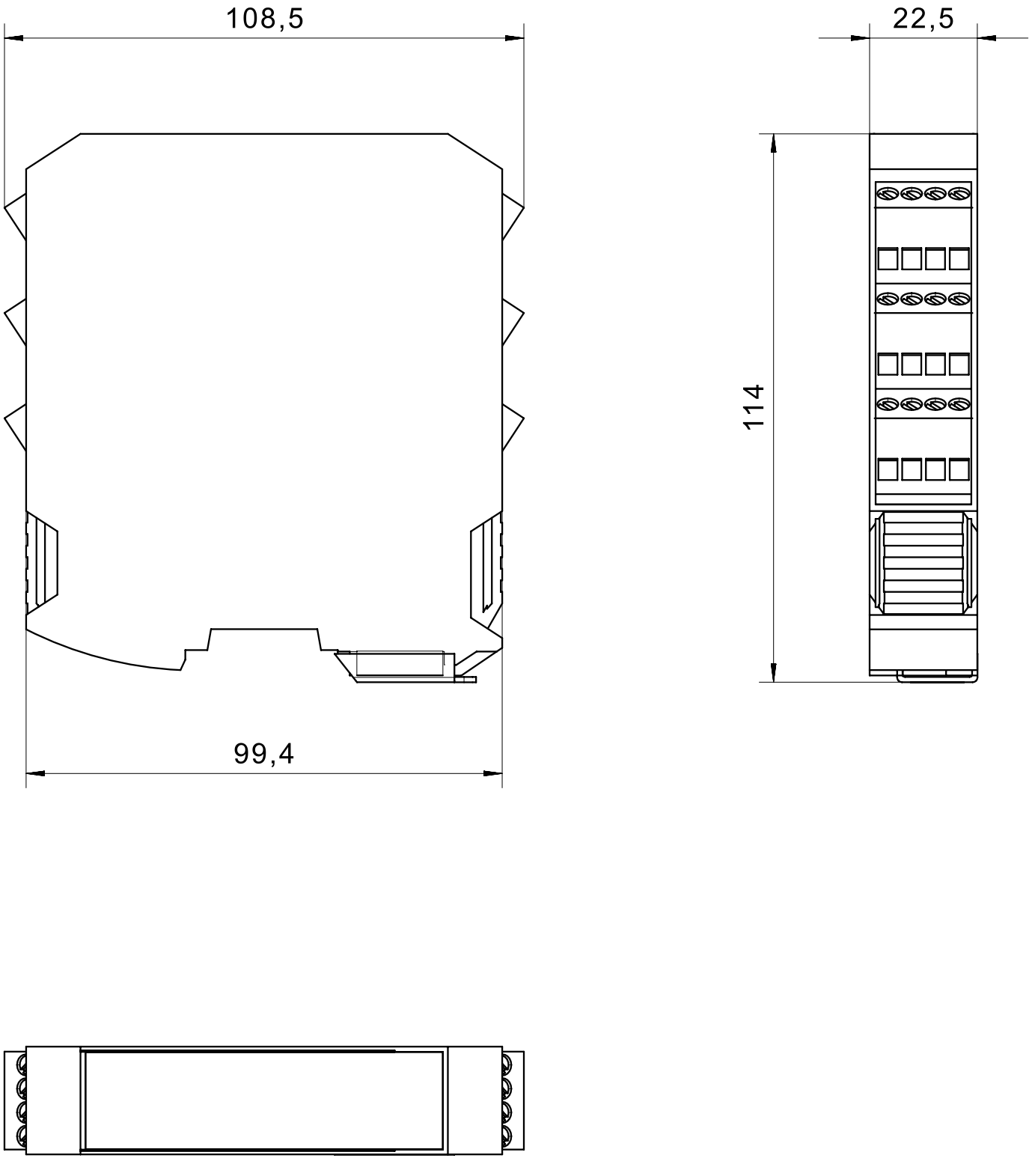
- 8 safety inputs and 2 safe, redundant transistor outputs
- 4 test outputs for sensor monitoring
- Diagnostics via 2 configurable control outputs and LEDs
- EDM inputs for monitoring of downstream contactors or connection of a start push button
- Pre-assembled T-connector (proprietary 5-way bus) for connection to the base module and other expansion modules simplifies wiring and saves space in theswitch cabinet

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Technical drawing

IMAGE 1/1



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Article characteristics

Attribute	485EPE08A02
Connection to base module	propriertary 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

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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 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