



**Compact
By
Design**

■ Transportation Solutions

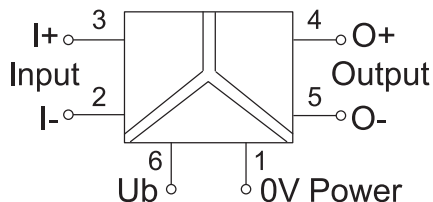
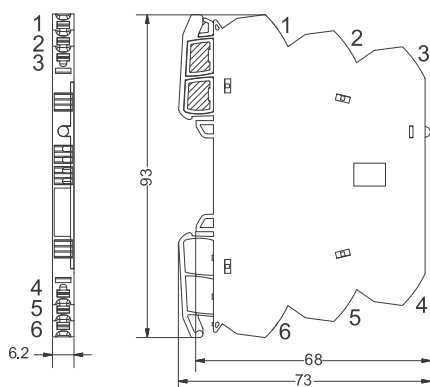
LCIS Rail

Analog/Analog Converter

Multi-Range Analog Converter
in the New LCIS Rail Housing

Comply with the standards EN 50155,
EN 50121-3-2, EMV 06, EN 61373 and EN 45545-2

LCIS Rail Analog/Analog Converter



Key Features LCIS Rail Housing

- Ultra-slim width: 6.2 mm
- Compact installation depth: 68 mm
- Push-in connection for fast, tool-free wiring
- Integrated 2 mm test port
- Optional insulated bridging combs
- Compact and robust design for rolling stock applications

Part No.	817048
Description	Multi-range Analog Converter
Input	
Measurement input	0-10 V, 0-20 mA, 4-20 mA, adjustable via DIP switch
Input resistance	>300 k Ω @ 0-10 V, <100 Ω @ 0-20 mA, 4-20 mA
Output	
Output signal	0-10 V, 0-20 mA, 4-20 mA, adjustable via DIP switch
Max. load impedance at I-output	500 Ω @ 0-20 mA, 4-20 mA
Min. load impedance at U-output	2 k Ω @ 0-10 V
Load deviation	At U-output max. 5 mV @ 2 k Ω
Residual ripple	<20 mV _{eff}
General data	
Supply voltage	DC 24 V
Status indication	LED green
Input / output protection	Overvoltage, current input with PTC fuse, short circuit-proof output
Accuracy	0.1 % FSR @ 23 °C
Linearity error	0.05 % FSR
Temperature coefficient	<150 ppm / K FSR
Critical frequency	30 Hz @ 3 dB
Rise time (10-90%)	6 ms
Galvanic isolation I/O	3-way isolation
Insulation voltage	1.5 kV _{eff}
Operation temperature range	-40 °C ... +70 °C (+85 °C 10 min)
Connection type	Push-In (0.25 mm ² – 1.5 mm ²)
Dimensions (w x h x d)	6.2 mm x 93.0 mm x 68.0 mm
Weight	30 g
Mounting	DIN rail TS35 (EN 60715)

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