



Identification	Type Part-No.	LCIS-WAF-1511-62-PI 751511.0000
Description	Input: 0–10 V / 0–20 mA / 4–20 mA Output: 0–10 kHz Insulation: 2.5 kV, 3-way isolation	
Input	Input signal 0–10 V, 0–20 mA, 4–20 mA, adjustable via DIP switch S1 Input variable Analogue signals Galvanic isolation I/O 3-way isolation Zero /Span Production comparison Input resistance >330 kΩ @ 0–10 V, <100 Ω @ 0–20 mA, 4–20 mA	
Output	Output signal 0–50 Hz, 0–100 Hz, 0–1 kHz, 0–10 kHz adjustable via DIP switch S1 Signal level DC 24 V (DIN EN 61131-2) Type 1: ≥ 15 V (@ 2 mA) Type 2: ≥ 11 V (@ 6 mA)	
Operating data	Accuracy 0.1 % FSR @ 23 °C Linearity error 0.05 % FSR	

13.02.2020 – Subject to technical modification

Part-No. 751511.0000

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Rise time (10 - 90%)	frequency-dependent
Build-up time (Accuracy 1%)	frequency-dependent
Temperature coefficient	<150 ppm / K FSR
Critical frequency	30 Hz @ 3 dB

General

Rated voltage U_N	AC/DC 24 V
Operation voltage range	AC 19.2–26.4 V / DC 18.0–31.2 V
Current Consumption	at AC 24V: 26 mA (station supply)
Status indication	LED green
Input/output protection	Overvoltage, current input with PTC fuse, short circuit-proof output
Insulation voltage input / output	2.5 kV _{eff}
Housing material	PA 6.6 (UL 94 V-0, NFF I2, F2)
Color of the housing	RAL 7012 basalt grey
Mounting	DIN rail mountable TS35 (EN 60715)
Protection class	IP20
Installation position	any
Connection type	Push-In single wire 0.25 mm ² –2.5 mm ² / AWG 20–14 fine stranded wire with ferrule 0.25 mm ² –1.5 mm ² / AWG 20–16
Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +85 °C
Dimensions (w × h × d)	6.2 × 93.0 × 73.0 mm
Weight	0.029 kg/piece
PU	1 piece
Certifications	cULus (E135145) DNV GL
Standards	EN 60947-5-1
PU	1 piece

Failure Rate Prediction (MTBF)

Standards	Electronic components – Reliability – Reference conditions for failure rates and stress models for conversion: EN/IEC 61709 Failure Rates of Components – Expected values: SN 29500
Failure rate at +45 °C	667 fit
Failure rate at +45 °C	1498305 h 1 fit equals one failure per 10 ⁹ component hours The indicated temperature is the mean component ambient temperature.

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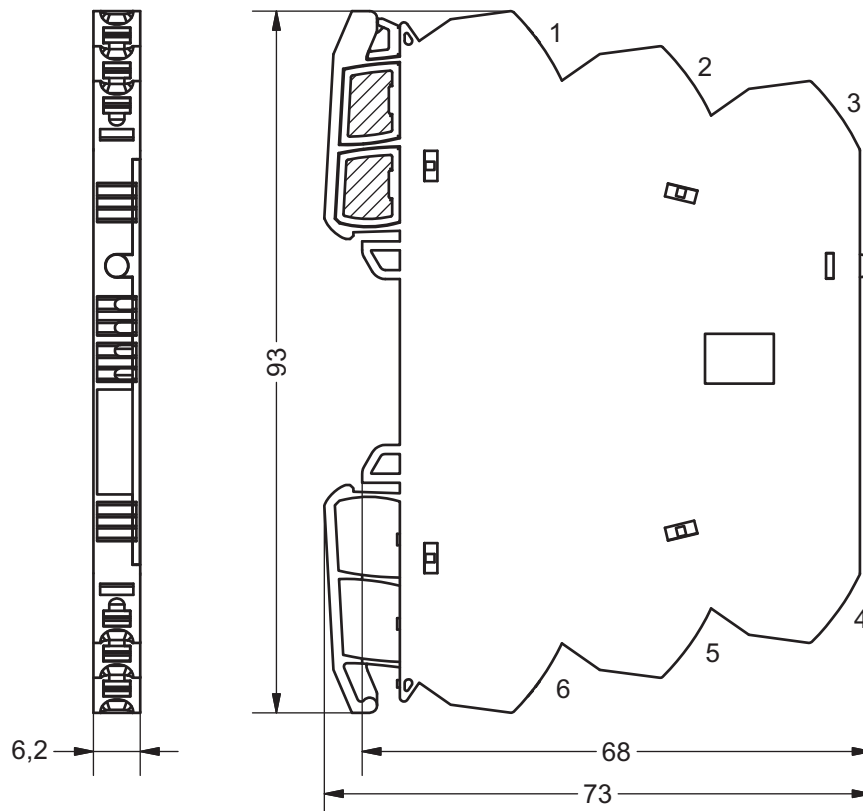
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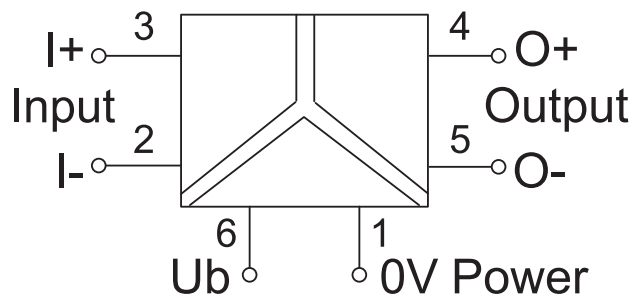
Comments

The results are valid under following conditions:
Automotive environment or industrial areas without extreme dust levels and harmful substances
Continuous operation 8760 h per year

Dimensions



PIN assignment



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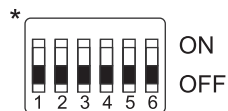
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Range adjustment

S1	Input
●→Switch On	1 2 3 4
0-10 V*	●
0-20 mA	●
4-20 mA	●

S1	Output
●→Switch On	5 6
0-50 Hz*	
0-100 Hz	●
0-1000 Hz	●
0-10000 Hz	●



Default (1-6 = OFF)

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