



Identification	Type Part-No.	LCIS-WAA-0539-62-S 750539.0000
Description	Input: 0–10 V / 0–20 mA / 4–20 mA Output: 0–10 V / 0–20 mA / 4–20 mA Insulation: 2.5 kV, 3-way isolation	
Input	Input signal 0–10 V, 0–20 mA, 4–20 mA, adjustable via DIP switch S1 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 0–10 V, 0–20 mA, 4–20 mA adjustable via switch Output voltage limit min 0 V max 10.8 V for all output ranges with nominal upper limit 10 V Output current limit min. 0 mA for all output ranges with nominal lower limit 0 mA min. 3.6 mA or all output ranges 4 – 20 mA max. 21.6 mA for all output ranges with nominal upper limit 20 mA Max. load impedance at I-output 500 Ω @ 0–20 mA, 4–20 mA Min. load impedance at U-output 2 kΩ @ 0–10 V Load deviation at U-output max. 5 mV @ 2 kΩ	

13.02.2020 – Subject to technical modification

Part-No. 750539.0000

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Output voltage	<16 V @ 0–20 mA, 4–20 mA
Output current	max. 5 mA @ 0–10 V
Residual ripple	<20 mV _{eff}

Operating data

Accuracy	0.1 % FSR @ 23 °C
Linearity error	0.05 % FSR
Rise time (10 - 90%)	6 ms
Build-up time (Accuracy 1%)	17 ms
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
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	Screwed terminal 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 ... +80 °C
Dimensions (w × h × d)	6.2 × 93.0 × 73.0 mm
Weight	0.030 kg/piece
PU	1 piece
Certifications	cULus (E135145) DNV GL
Standards	EN 60947-5-1
PU	1 piece

Failure Rate Prediction (MTBF)

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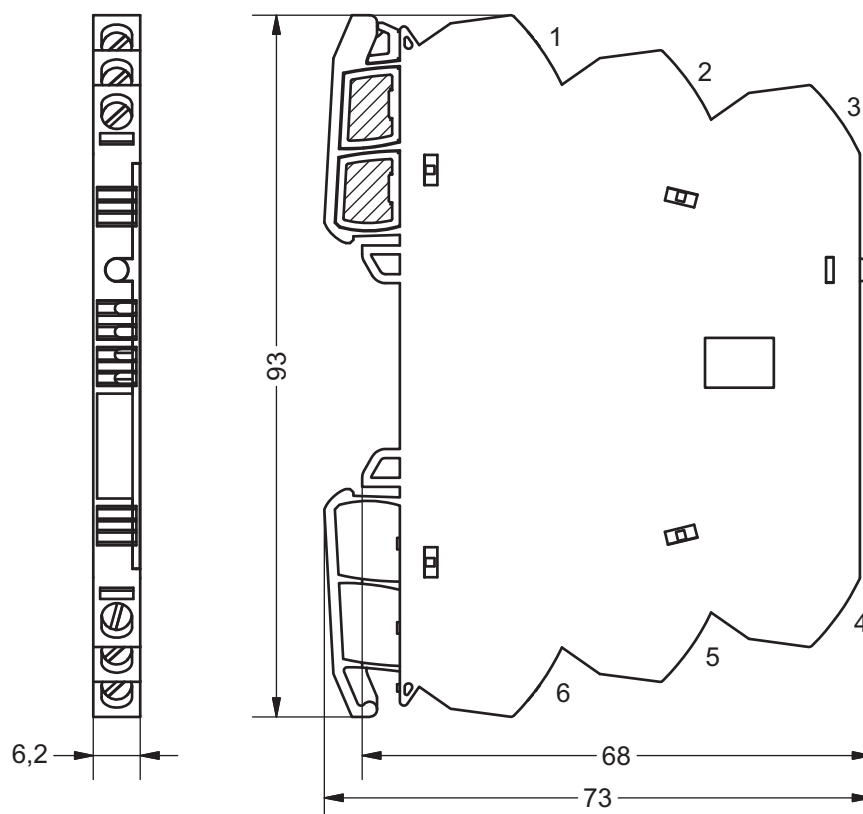


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Standards	Electronic components – Reliability – Reference conditions for failure rates and stress models for conversion: EN/IEC 61709 Failure Rates of Components – Expected values: SN 29500
Failure rate at +45 °C	531 fit
Failure rate at +45 °C	1881921 h
	1 fit equals one failure per 10 ⁹ component hours
	The indicated temperature is the mean component ambient temperature.
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



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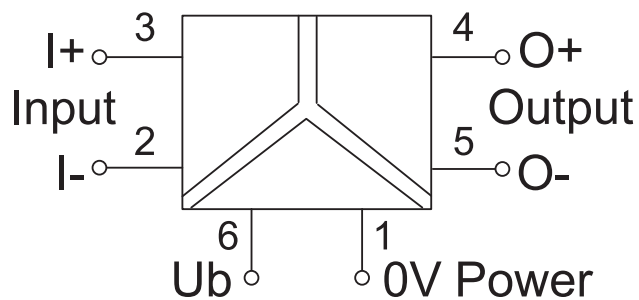
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PIN assignment



Range adjustment

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

S1	Output
●→Switch On	5 6
0–10V*	●
0–20mA	●
4–20mA	●



Default (1-6 = OFF)

*Range is set if all switches are OFF.

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