



Identification	Type	LCIS-WAA-1539-62-PI
	Part-No.	751539.0000
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	

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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	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 ... +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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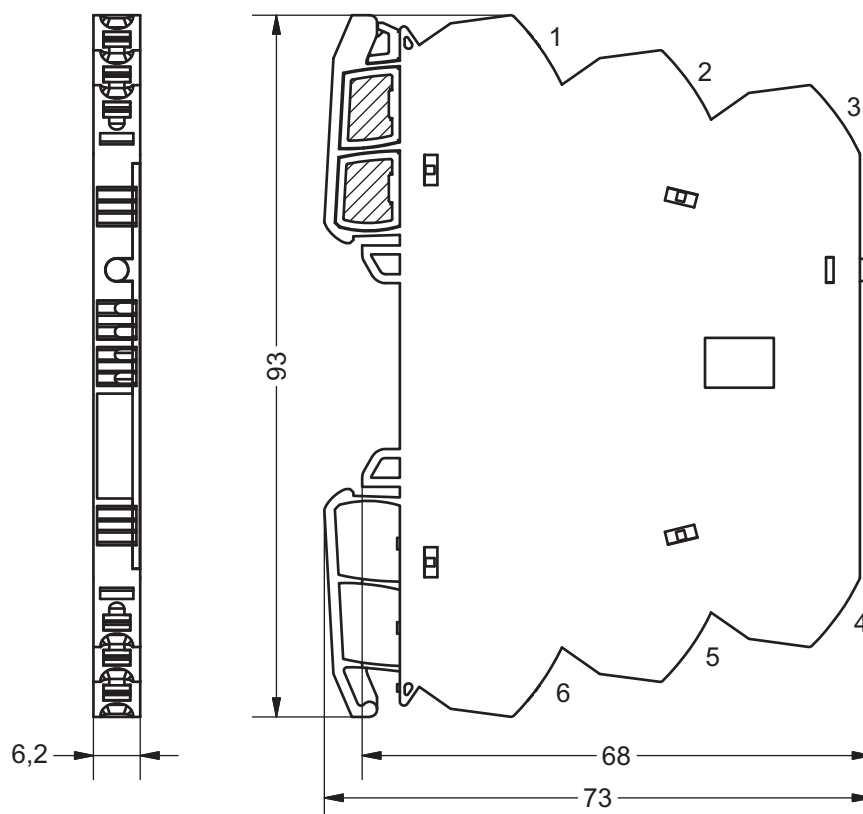
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Standards	Electronic components – Reliability – Reference conditions for failure rates and stress models for conversion: EN/IEC 61709 Failure Rates of Components – Expected values: SN 29500
Failure rate at +45 °C	531 fit
Failure rate at +45 °C	1881921 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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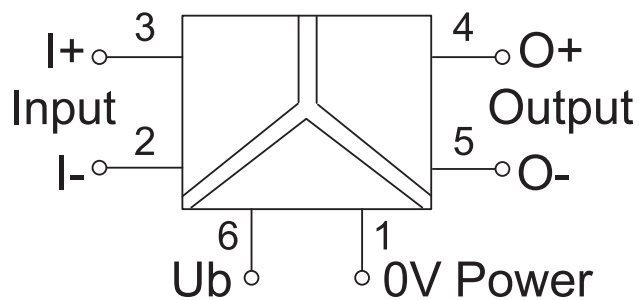
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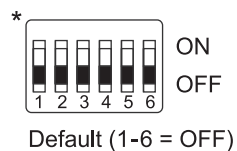
PIN assignment



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	●●



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