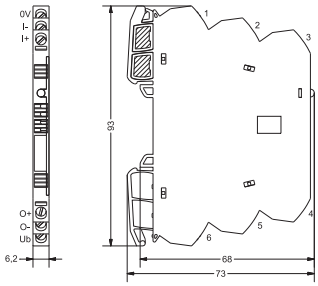
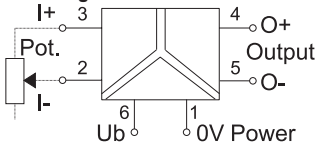
Input: 0–1 kΩ / 0–6 kΩ
Output: 0–10 V / 0–20 mA / 4–20 mA
Insulation: 2.5 kV, 3-way isolation

Dimensions



PIN assignment



Range adjustment

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

S1	Input			
Switch On	1	2	3	4
0–6 kΩ				
0–1 kΩ	●			

Description		Part-No.		Type	PU
Screw terminal					
Rated voltage U_N	AC/DC 24 V	750557.0000	**R***	LCIS-WRA-0557-62-S	1
Push-In					
Rated voltage U_N	AC/DC 24 V	751557.0000	**S***	LCIS-WRA-1557-62-PI	1

Input	**750557.0000**	**751557.0000**
Input variable	Poti 0–1 kΩ, Poti 0–6 kΩ	
Galvanic isolation I/O	3-way isolation	
Measuring procedure	2-wire, constant current	
Zero /Span	Production comparison	
Input resistance	>1 MΩ	
Parameterisation	DIP switch S1	
Sensor current	0.45 mA @ 0–1 kΩ / 0.15 mA @ 0– 6 kΩ	
Protection device Input	Overvoltage protection	
Output		
Output signal	0–10 V, 0–20 mA, 4–20 mA	
Max. load impedance at I-output	500 Ω	
Min. load impedance at U-output	2 kΩ	
Load deviation	at U-output max. 5 mV @ 2 kΩ	
Output voltage	< 16 V @ 0–20 mA, 4–20 mA	
Output current	max. 5 mA @ 10 V	
Residual ripple	<20 mV_{eff}	
Parameterisation	DIP switch S1	
Protection device	short circuit protection	
Operating data		
Accuracy	0.3 % FSR @ 23 °C	
Linearity error	0.1 % FSR	
Build-up time (Accuracy 1%)	approx. 60 ms @ 23 °C	
Critical frequency	10 Hz @ 3 dB / 23 °C	
Temperature coefficient	150 ppm / K FSR	
General		
Operation voltage range	AC 19.2–26.4 V / DC 18.0–31.2 V	
Rated voltage U_N	AC/DC 24 V	
Rated current	approx. 22 mA @ AC 24 V / approx. 13 mA @ DC 24 V	
Status indication	LED green	
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	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	0.030 kg/piece	
Approvals	cULus in preparation, DNV GL	
Standards	EN 60947-5-1	
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	566 fit	
Failure rate at +45 °C	1765795 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	

* **S** Article from stock
A Available with a lead time
R Available on request