



Identification	Type	LCIS-WPT2LA-0809-62-S
	Part-No.	750809.0000
Description		
	Input: PT100, 2-wire Output: 0–10 V / 0–20 mA / 4–20 mA Insulation: 2.5 kV, 3-way disconnection	
Input		
Input variable	Temperature sensor PT100	
Galvanic isolation I/O	3-way isolation	
Measuring procedure	2-wire, constant current	
Temperature range	-50 °C–50 °C / -50 °C–100 °C / -50 °C–150 °C / 0 °C–100 °C / 0 °C–150 °C / 0 °C–200 °C / 0 °C–300 °C / 0 °C–400 °C	
Parameterisation	DIP switch S1	
Zero /Span	Production comparison	
Input resistance	>1 MΩ	
Sensor current	0.5 mA	
Protection device	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	

25.08.2017 – Subject to technical modification

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USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273, USA

Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223

www.lutze.com • info@lutze.com

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park

Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU

Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2

www.lutze.com • sales.gb@lutze.co.uk



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Technical data sheet • Interface Technology

Load deviation	at U-output max. 5 mV @ 2 k Ω
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
Rise time (10 - 90%)	approx. 30 ms @ 23 °C
Build-up time (Accuracy 1%)	approx. 60 ms @ 23 °C
Temperature coefficient	150 ppm / K FSR
Critical frequency	10 Hz @ 3 dB / 23 °C
Error coefficient of measuring line	2.7 K/ Ω

General

Rated voltage	AC/DC 24 V
Operation voltage range	AC 19.2–26.4 V / DC 18.0–31.2 V
Rated current	approx. 22 mA @ AC 24 V / approx. 13 mA @ DC 24 V
Status indication	LED green
Rise time (10 - 90%)	approx. 30 ms @ 23 °C
Insulation voltage input / output	2.5 kV _{eff}
Housing material	PA 6.6 (UL 94 V-0, NFF I2, F2)
Colour of the housing	RAL 7012 basalt grey
Mounting	DIN rail mountable TS35 (EN 60715)
Protection class	IP20
Installation position	any
Connection device	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 ... +85 °C
Dimensions (w × h × d)	6.2 × 93.0 × 73.0 mm
Weight	0.030 kg/piece
PU	1 piece
Approvals	cULus in preparation DNV GL in preparation
Standards	EN 60947-5-1

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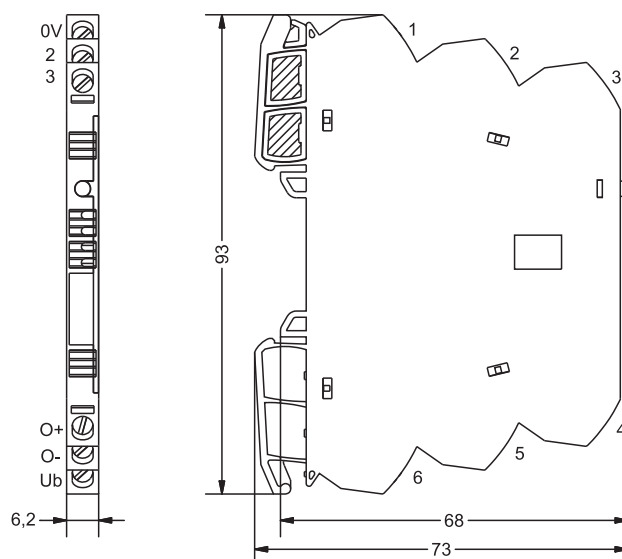
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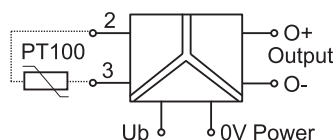


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Dimensions



PIN assignment



Range adjustment

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

S1	Input
• → Switch On	1/2/3/4
–50 – 50°C	
–50 – 100°C	●
–50 – 150°C	●
0 – 100°C	●
0 – 150°C	●
0 – 200°C	●
0 – 300°C	●
0 – 400°C	●

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