



Identification	Type	LCON AA DFDT 806210
	Part-No.	750320
Description	Input: ± 30 V, ± 50 mA, $\pm DC$ 5 A adjustable Output: 0–20 mA / 4–20 mA / 0–10 V / -10–10 V / 2–10 V / 0–5 V / 1–5 V Isolation: 2.5 kV, 3-way isolation	
Input	Input variable Analogue signals Measurement input +30/-30 V, +50/-50 mA, DC +5 A/-5 A, adjustable via switch and software FDT/DTM, connection via micro USB Galvanic isolation I/O 3-way isolation Step response (10–90%) 1.5 ms – 750 ms (adjustable by means of filter stage 1–5, default: filter stage 4 = 200 ms) Parameterisation DIP switch Software FDT/DTM Zero /Span freely adjustable Input resistance >800 k Ω @ +30/-30 V, 30 Ω @ +50/-50 mA, 10 m Ω @ DC +5 A/-5 A	
Output	Output signal 0–10 V, -10–10 V, 0–20 mA, 4–20 mA adjustable via switch and software FDT/DTM, connection via USB service cable Max. load impedance at I-output 700 Ω @ 0–20 mA, 4–20 mA	

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Technical data sheet · Interface Technology

Min. load impedance at U-output	2 k Ω @ 0–10 V, -10–+10 V
Limitation for exceeding measurement range	10.25 V @ 0–10 V, -10–10 V, 20.5 mA @ 0–20 mA, 4–20 mA
max. modulation range/output current	10.5 V @ 0–10 V, -10–10 V, 21 mA @ 0–20 mA, 4–20 mA
Parameterisation	DIP switch Software FDT/DTM

Operating data

Accuracy	0.1 % FSR @ +30/-30 V, +50/-50 V 0,5 % FSR @ +5 A/-5 A
Linearity error	\pm 0.05 % FSR @ +30/-30 V, +50/-50 V \pm 0,1 % FSR @ +5 A/-5 A

General

Rated voltage	DC 24 V
Operation voltage range	16.8–30 V
Rated current	approx. 18 mA
Status indication	LED green, red (error)
Input/output protection	Overvoltage DC 30 V, short circuit-proof output
Temperature error	<100 ppm FSR
Data storage	Flash
Insulation voltage input / output	2.5 kV _{eff}
Resolution	16-bit
Configuration	Switch and software: FDT / DTM
Housing material	PA 6.6 (UL 94 V-0)
Colour of the housing	light grey
Mounting	DIN rail mountable TS35 (EN 60715)
Protection class	IP20
Installation position	any
Connection device	Screw terminal 0.14 mm ² – 1.5 mm ²
Operation temperature range	-40 °C ... +70 °C
Storage temperature range	-40 °C ... +85 °C
Dimensions (w × h × d)	6.2 × 90.0 × 115.5 mm
Weight	0.050 kg/piece
PU	1 piece
Approvals	cULus (E135145) Cl.1 Div2, Gr. A, B, C, D, T4A GL
Standards	EN 60947-5-1

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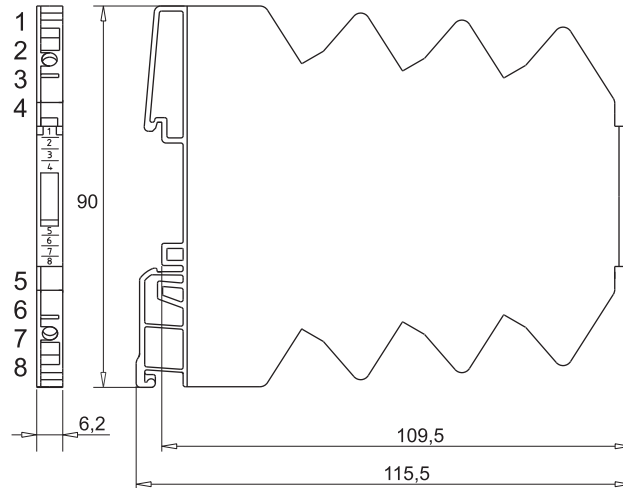
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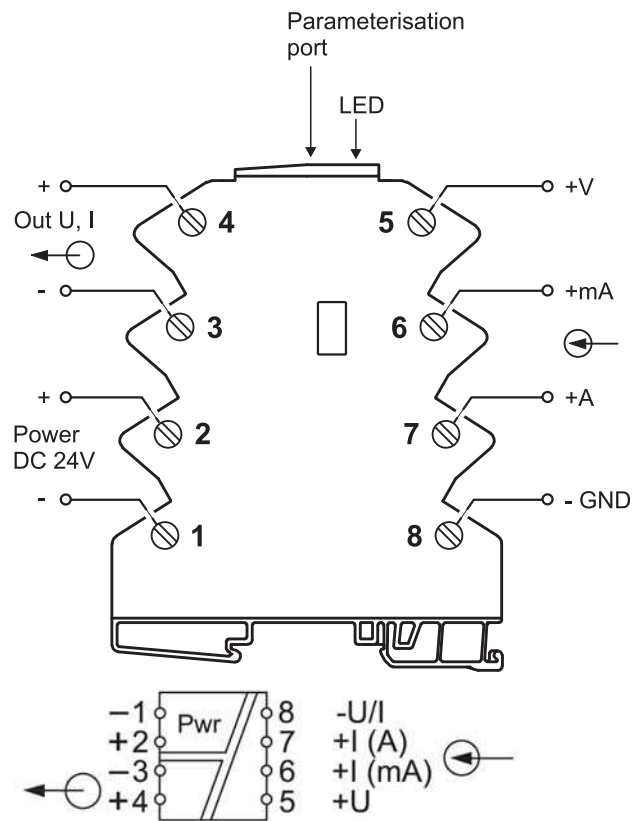


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Dimensions



PIN assignment



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Range adjustment

S1 ● → Switch On											
Range*	1	2	3	4	5	Range*	1	2	3	4	5
0 – 50mV	●					0 – 10mA					●
0 – 100mV		●				0 – 20mA	●				●
0 – 200mV	●	●				0 – 50mA		●			●
0 – 500mV			●			4 – 20mA	●	●			●
0 – 1V	●		●			0 – 0.5A			●		●
0 – 2V		●	●			0 – 1A	●		●		●
0 – 5V	●	●	●			0 – 2A		●	●		●
0 – 10V				●		0 – 5A	●	●	●		●
0 – 20V	●			●		±1V				●	●
0 – 30V		●		●		±5V	●			●	●
1 – 5V	●	●		●		±10V		●		●	●
2 – 10V			●	●		±5mA	●	●		●	●
0 – 1mA	●		●	●		±20mA			●	●	●
0 – 2mA		●	●	●		±2A	●		●	●	●
0 – 5mA	●	●	●	●		±5A		●	●	●	●

S1 1-8 off: FDT/DTM	Output	6	7	8
	0 – 20mA	●		
	4 – 20mA		●	
	0 – 10V	●	●	
	±10V			●
	2 – 10V	●		●
	0 – 5V		●	●
	1 – 5V	●	●	●

*See instruction leaflet

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