



<b>Identification</b>	Type	LCON AA DFDT 806210
	Part-No.	750320

**Input**

	<b>+30/-30V</b>	<b>+50/-50mA</b>	<b>DC +5A/-5A</b>
Measurement input	+30/-30 V, +50/-50 mA, DC +5 A/-5 A, adjustable via switch and software FDT/DTM, connection via micro USB	+30/-30 V, +50/-50 mA, DC +5 A/-5 A, adjustable via switch and software FDT/DTM, connection via micro USB	+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	3-way isolation	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)	1.5 ms – 750 ms (adjustable by means of filter stage 1–5, default: filter stage 4 = 200 ms)	1.5 ms – 750 ms (adjustable by means of filter stage 1–5, default: filter stage 4 = 200 ms)
Transmission frequency	-	-	-
Input characteristic impedance	> 800 kΩ	30 Ω	10 mΩ
Zero /Span	freely adjustable	freely adjustable	freely adjustable

**Load Side**

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## Technical data sheet • Interface Technology

	<b>0 – 10 V</b>	<b>-10 – +10 V</b>	<b>0 – 20 mA</b>	<b>4 – 20 mA</b>
Output signal	adjustable via switch and software FDT/DTM, connection via USB service cable	adjustable via switch and software FDT/DTM, connection via USB service cable	adjustable via switch and software FDT/DTM, connection via USB service cable	adjustable via switch and software FDT/DTM, connection via USB service cable
Max. load impedance at I-output	-	-	700 Ω	700 Ω
Min. load impedance at U-output	>2 kΩ	>2 kΩ	-	-
Load deviation	-	-	-	-
Limitation for exceeding measurement range	10.25 V	10.25 V	20.5 mA	20.5 mA
max. Output signal	10.5 V	10.5 V	21 mA	21 mA

### General

	<b>+30/-30V</b>	<b>+50/-50mA</b>	<b>+5A/-5A</b>
Nominal voltage	DC 24 V	DC 24 V	DC 24 V
Operation voltage range	16.8–30 V	16.8–30 V	16.8–30 V
Rated current	approx. 18 mA	approx. 18 mA	approx. 18 mA
Status Indication	LED green, red (error)	LED green, red (error)	LED green, red (error)
Input/output protection	Overvoltage DC 30 V, Output short circuit-proof	Overvoltage DC 30 V, Output short circuit-proof	Overvoltage DC 30 V, Output short circuit-proof
Accuracy	0.1 % FSR	0.1 % FSR	0.5 % FSR
Linearity error	± 0.05 % FSR	± 0.05 % FSR	± 0.1 % FSR
Termination	Screw-/spring terminal: 0.14–1.5 mm <sup>2</sup>	Screw-/spring terminal: 0.14–1.5 mm <sup>2</sup>	Screw-/spring terminal: 0.14–1.5 mm <sup>2</sup>
Resolution	16-bit		
Configuration	Switch and software: FDT / DTM		
Temperature error	<100 ppm FSR		
Data storage	Flash		
Insulation voltage input/output	2.5 kV <sub>eff</sub>		
Housing material	PA 6.6 (UL 94 V-0)		
Field installation	rail TS 35 (EN 60715)		
Protection class	IP 20		
Installation position	Optional		
Termination	screw terminal: 0.14–1.5 mm <sup>2</sup>		
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 (kg/piece)	0.050 kg/piece		
Approvals	cULus, Class I, Div. 2, Groups A,B,C,D T4		

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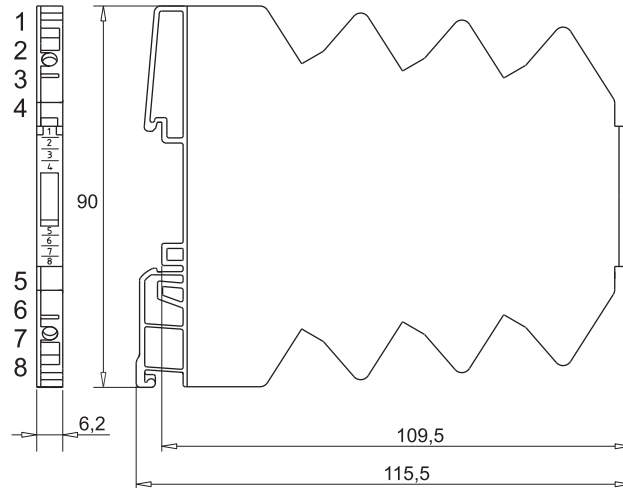
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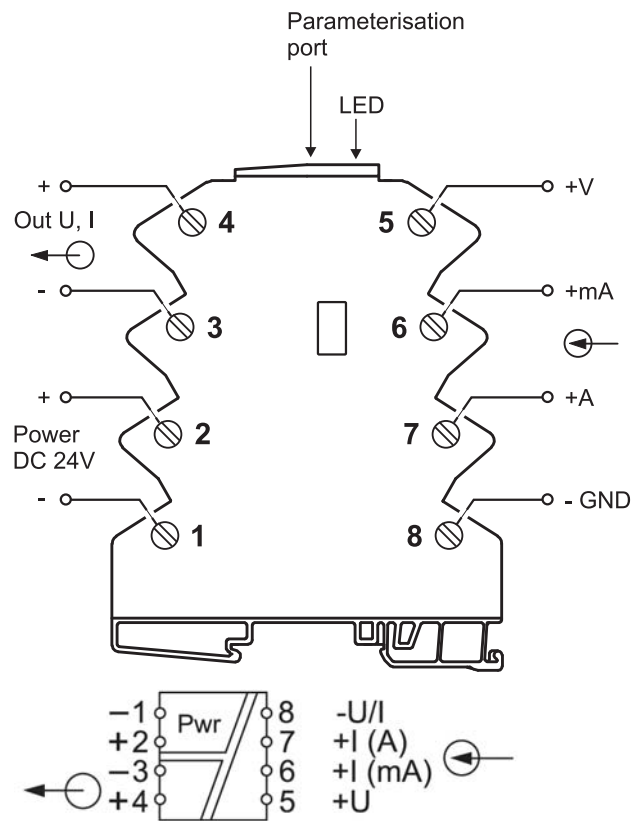


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Dimensions



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

Accessories

Accessories	Colour	2-pole	3-pole	4-pole	8-pole	16-pole	PU
6 A jumper comb	red	762802	762805	762812	762822	762832	10
6 A jumper comb	white	762803	762806	762813	762823	762833	10
6 A jumper comb	blue	762804	762807	762814	762824	762834	10

Accessories

Accessories	Article number	Type	PU
USB service cable	750894	LCON ZB USB	1
Label holder 4×11mm white	681313	BZT-0411	100

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