



Identification	Type	LCON ALS FDT 806211
	Part-No.	751360
Description		
	Input:	$\pm 30\text{ V}$, $\pm 50\text{ mA}$, $\pm 5\text{ A}$ adjustable – adjustable limit value switch
	Output:	Semiconductor NO contact
	Insulation:	2.5 kV, 2-way isolation
Input		
Input variable	Analogue signals	
Measurement input	$+30/-30\text{ V}$, $+50/-50\text{ mA}$, DC $+5\text{ A}/-5\text{ A}$, adjustable via software FDT/DTM, connection via micro USB	
Galvanic isolation I/O	2-way isolation	
Step response (10–90%)	4 ms – 750 ms (adjustable by means of filter stage 1–5, default: filter stage 4 = 200 ms)	
Parameterisation	Software FDT/DTM DIP switch	
Zero /Span	freely adjustable	
Input resistance	$>800\text{ k}\Omega$ @ $+30/-30\text{ V}$, $30\ \Omega$ @ $+50/-50\text{ mA}$, $10\text{ m}\Omega$ @ DC $+5\text{ A}/-5\text{ A}$	
Output		
Output signal	$+30/-30\text{ V}$, $+50/-50\text{ mA}$, DC $+5\text{ A}/-5\text{ A}$, adjustable via software FDT / DTM, connection via USB service cable	
Contact type	K1,K2: Semi-conductor, N/O contact	
Max. switching voltage	DC 30 V	

25.08.2017 – Subject to technical modification

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Technical data sheet · Interface Technology

Max. switching current	DC 100 mA
Status display output	LED yellow K1 and LED yellow K2, not short circuit protected
Operating mode	Limit value, window, alarm output / additionally adjustable: Hysteresis, input / output delay
Parameterisation	Software FDT/DTM DIP switch

Operating data

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

General

Rated voltage	DC 24 V
Operation voltage range	16.8–30 V
Rated current	approx. 12 mA
Status indication	LED green, yellow (K1, K2), red (error)
Input/output protection	Overvoltage DC 30 V
Temperature error	<100 ppm FSR
Data storage	Flash
Insulation voltage input / output	2.5 kV _{eff}
Resolution	16-bit
Configuration	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	Spring 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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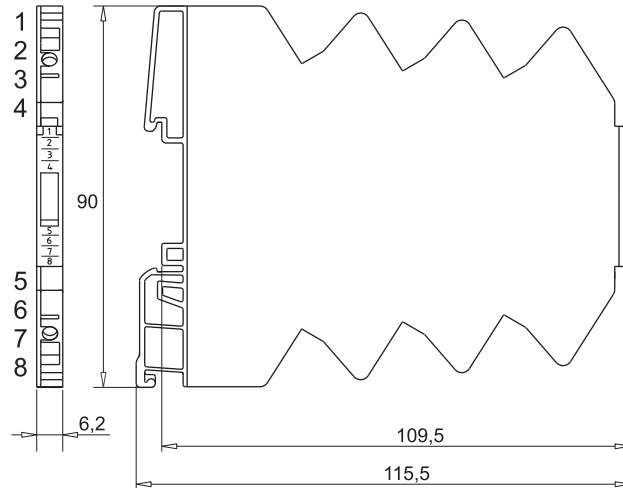
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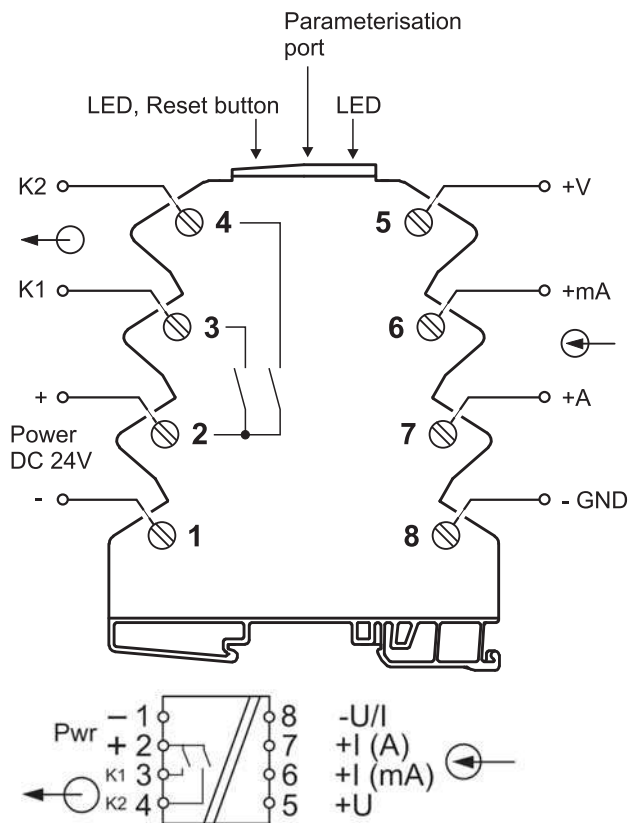


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Dimensions



PIN assignment



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