

# Interface Technology · Microcompact analog/analog splitter

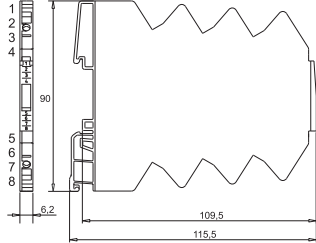
**Input: 0–10 V, 0–20 mA, 4–20 mA adjustable**

**Output: 2 × 0–10 V, 0–20 mA, 4–20 mA**

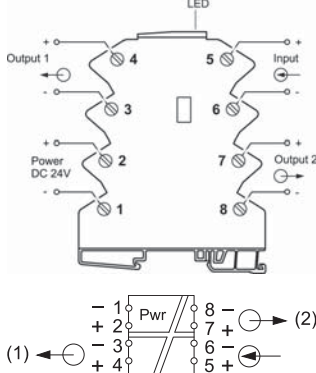
**Insulation: 2.5 kV, 4-way isolation**



## Dimensions



## PIN assignment



## Range adjustment

Range	S1 ● → Switch On							
	1	2	3	4	5	6	7	8
0–10V	●							
0–20mA	●		●		●			
4–20mA	●		●		●			
Filter Off								
Filter On								●
Output Limitation Off								
Output Limitation On								●

See instruction leaflet for details

Description	Part-No.	Type	PU
<b>Screw terminal</b>			
Rated voltage $U_N$	DC 24 V	750321 R*	LCON AASP D 806210
<b>Spring terminal</b>			
Rated voltage $U_N$	DC 24 V	751321 S*	LCON AASP D 806211

Input	
Measurement input	0–10 V, 0–20 mA, 4–20 mA adjustable via switch
Galvanic isolation I/O	4-way isolation
Critical frequency	100 Hz (filter off), 5 Hz (filter on)
Input resistance	>500 k $\Omega$ @ 0–10 V, <100 $\Omega$ @ 0–20 mA, <100 $\Omega$ @ 4–20 mA
Zero /Span	Production comparison

Output	
Output signal	0–10 V, 0–20 mA, 4–20 mA
Max. load impedance at I-output	400 $\Omega$ @ 0–20 mA, 4–20 mA
Max. load impedance at U-output	–
Limitation for exceeding measurement range	yes, switchable
max. modulation range/output signal/output current	10.5 V @ 0–10 V 21 mA @ 0–20 mA, 4–20 mA
Residual ripple	<20 mV $_{eff}$

Operating data	
Accuracy	0.1 % FSR @ 23 °C
Linearity error	±0.1 % FSR

General	
Rated voltage $U_N$	DC 24 V
Operation voltage range	16.8–30 V
Rated current	13 mA
Status indication	LED green/red
Input/output protection	Overvoltage, current input with PTC fuse, short circuit-proof output
Connection type	Screw terminal 0.14 mm <sup>2</sup> – 1.5 mm <sup>2</sup> Spring terminal 0.14 mm <sup>2</sup> – 1.5 mm <sup>2</sup>
Resolution	16-bit
Configuration	Switch
Temperature error	<150 ppm/K FSR
Data storage	Flash
Insulation voltage input / output	2.5 kV $_{eff}$
Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	light grey
Mounting	DIN rail mountable TS35 (EN 60715)
Protection class	IP20
Installation position	any
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
Approvals	cULus (E135145) in preparation, Cl.1 Div2, Gr. A, B, C, D, T4A (E319134) in preparation, 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	663 fit
Failure rate at +45 °C	1509179 h
	1 fit equals one failure per 10 <sup>9</sup> component hours

Comments	The indicated temperature is the mean component ambient temperature. 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
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**Comments**  
NOTE: The device can be configured using the DIP switches on the side or using the accessory LCON ZB service cable (Item no. 750894).