

Datasheet

RS PRO Signal Converter

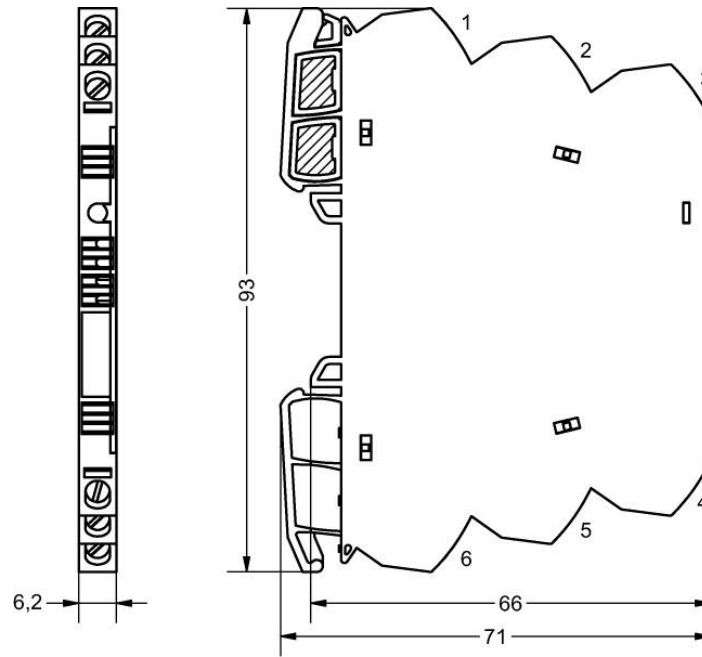
Stock No: 192-3391

LCIS analogue/ analogue converter, passive

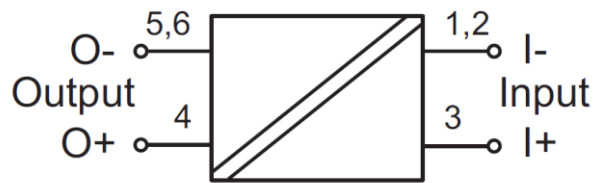
**Specifications**

Type	LCIS-P1K-0528-62-S
Input	4–20 mA
Output	4–20 mA
Insulation	1.5 kV, 2-way isolation, passive converter
Mounting Type	DIN rail mountable TS35 (EN 60715)
Connection type	Screwed terminal
IP Rating	IP20
Housing Material	PA 6.6 (UL 94 V-0, NFF I2, F2)

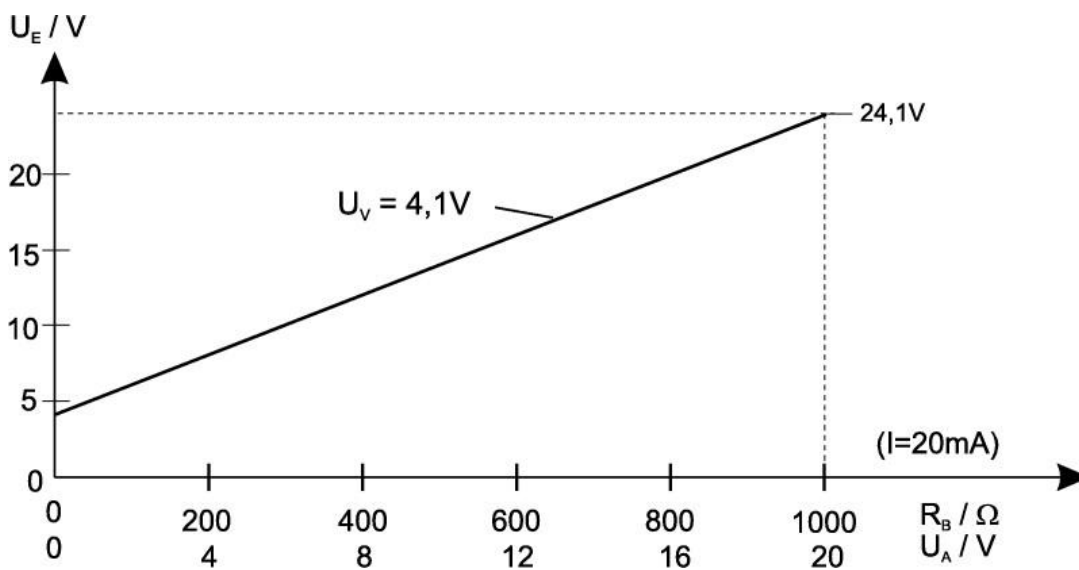
Dimensions



PIN assignment



Action chart



Technical Data

Input	
Input signal	4–20 mA
Input variable	Single analog signal
Galvanic isolation I/O	2-way isolation
Input overload capability	max. 35 mA

Output	
Output signal	4–20 mA
Max. load impedance at I-output	1000 Ω (R_B)
Residual ripple	<5 mV _{eff} (load impedance 100 Ω)

Operating data	
Accuracy	0.1 % FSR @ 23 °C
Build-up time (Accuracy 1%)	6 ms (for working resistance 500 Ω and 20 mA)

General	
Rated voltage U_N	passive
Input/output protection	Suppressor diode (33 V)
Burden error	<0.06 % from measured value / 100 Ω working resistance
Temperature drift /K	<150 ppm / K FSR
Temperature drift (working resistance >600R)	<100 ppm / K FSR
Temperature drift (working resistance >600R)	<150 ppm / K FSR
Insulation voltage input / output	1.5 kV _{eff}
Housing material	PA 6.6 (UL 94 V-0, NFF I2, F2)
Color of the housing	RAL 7012 basalt grey
Mounting	DIN rail mountable TS35 (EN 60715)
Protection class	IP20
Connection type	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 ... +80 °C
Dimensions (w x h x d)	6.2x93x71 mm
Weight	0.029 kg/piece
PU	1 piece
Approvals	cULus (E135145) DNV 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	127 fit
Failure rate at +45 °C	7892161 h
	1 fit equals one failure per 10 ⁹ component hours The indicated temperature is the mean component ambient temperature.
Comments	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