

LCIS analogue/analogue converter

KOS 539



Identification	Type Code	LCIS-WAA-1539-62-PI KOS 539
Description	Input: 0–10 V / 0–20 mA / 4–20 mA Output: 0–10 V / 0–20 mA / 4–20 mA Insulation: 2.5 kV, 3-way isolation	
Input	Input signal 0–10 V, 0–20 mA, 4–20 mA, adjustable via DIP switch S1 Galvanic isolation I/O 3-way isolation Zero /Span Production comparison Input resistance >300 kΩ @ 0–10 V, <100 Ω @ 0–20 mA, 4–20 mA	
Output	Output signal adjustable via DIP switch S1 Output voltage limit min 0 V max 10.8 V for all output ranges with nominal upper limit 10 V Output current limit min. 0 mA for all output ranges with nominal lower limit 0 mA min. 3.6 mA or all output ranges 4 – 20 mA max. 21.6 mA for all output ranges with nominal upper limit 20 mA Max. load impedance at I-output 500 Ω @ 0–20 mA, 4–20 mA Min. load impedance at U-output 2 kΩ @ 0–10 V Load deviation at U-output max. 5 mV @ 2 kΩ	



Technical data sheet • Interface Technology

Output voltage	< 16 V @ 0–20 mA, 4–20 mA
Output current	max. 5 mA @ 0–10 V
Residual ripple	<20 mV _{eff}

Operating data

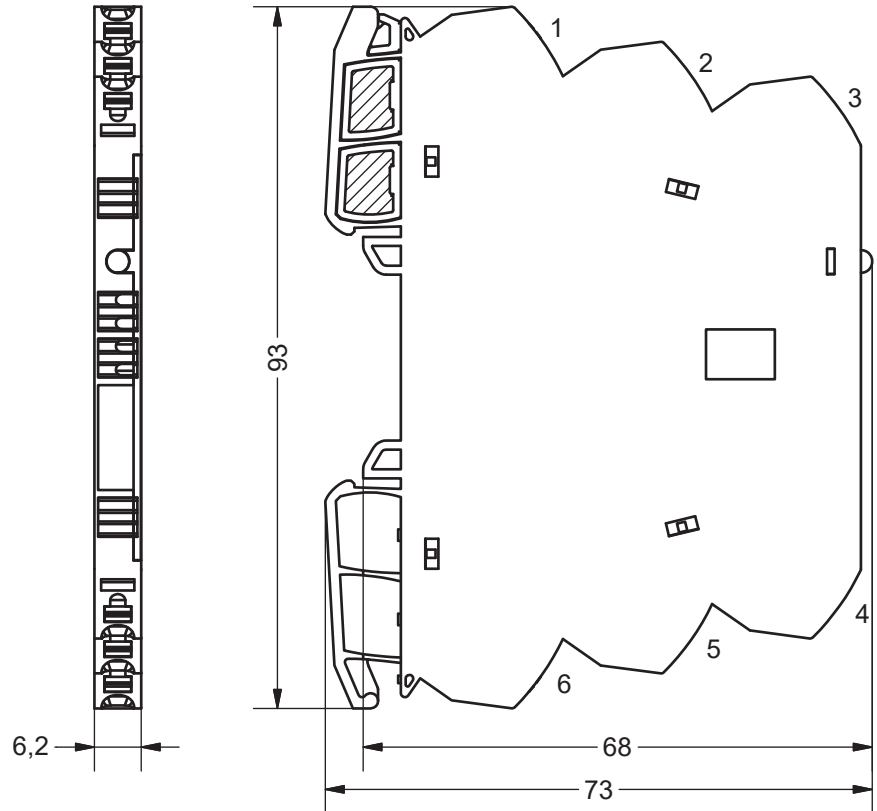
Accuracy	0.1 % FSR @ 23 °C
Linearity error	0.05 % FSR
Rise time (10 - 90%)	6 ms
Build-up time (Accuracy 1%)	17 ms
Temperature coefficient	<150 ppm / K FSR
Critical frequency	30 Hz @ 3 dB

General

Rated voltage	AC/DC 24 V
Operation voltage range	AC 19.2–26.4 V / DC 18.0–31.2 V
Status indication	LED green
Input/output protection	Overvoltage, current input with PTC fuse, short circuit-proof output
Rise time (10 - 90%)	6 ms
Insulation voltage input / output	2.5 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
Installation position	any
Connection device	Push-In 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 × h × d)	6.2 × 93.0 × 73.0 mm
Weight	0.030 kg/piece
PU	1 piece
Approvals	cULus (E135145) DNV GL
Standards	EN 60947-5-1



Dimensions



PIN assignment

