

Isolated converter

3105

- Isolation and conversion of standard DC signals
- Slimline housing of 6 mm
- Response time <7 ms
- Low cost
- DIP-switch configured











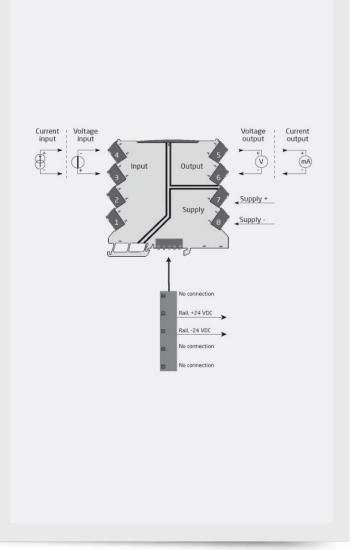
Application

- · Isolation and conversion of standard DC signals.
- Galvanic separation of analog current and voltage signals.
- · Elimination of ground loops and measurement of floating signals.
- · A competitive choice in terms of both price and technology for galvanic isolation of current and voltage signals to SCADA systems or PLC equipment.
- · Suitable for environments with high vibration stress, e.g.

Technical characteristics

- · Easy configuration via DIP-switches.
- The input is protected against overvoltage and polarity error.
- · Factory-calibrated measurement ranges.
- · Inputs and outputs are floating and galvanically separated.

Connections



Type 3105

Environmental Conditions

Specifications range	0°C to +70°C
Storage temperature	-40°C to +85°C
Calibration temperature	2028°C
Relative humidity	< 95% RH (non-cond.)
Protection degree	IP20
Installation in	Pollution degree 2 &
	measurement / overvoltage cat. II

Mechanical specifications

Dimensions (HxWxD)	113 x 6.1 x 115 mm
Weight approx	70 q
DIN rail type	
	stranded wire
Screw terminal torque	0.5 Nm
Vibration: 225 Hz	±1.6 mm
Vibration: 25100 Hz	±4 g

Common specifications

Supply

Isolation voltage

Response time

Input specifications

Current input

Voltage input

Measurement range	010.25 V
Functional range	011.5 V / 05.75 V
Programmable measurement ranges	0/15 and 0/210 V
Input resistance	≥ 500 kΩ

Output specifications

Current output	0.004
Signal range	
Programmable signal ranges	
Load (@ current output)	
Load stability Current limit	•
Current IIIIIL	≥ 20 IIIA
Voltage output	
Signal range	010 VDC
Programmable signal ranges	0/15 and 0/210 V
Load (@ voltage output)	≥ 10 kΩ
*of span	- of the DIP switch selected
01 Spail	output range

Observed authority requirements

EMC	2014/30/EU
LVD	2014/35/EU
RoHS	2011/65/FU

Approvals

EAC	TR-CU 020/2011
DNV Marine	Stand. f. Certific. No. 2.4
GL	V1-7-2
UL	UL 508