Z-LINE Z201

AC Current Converter

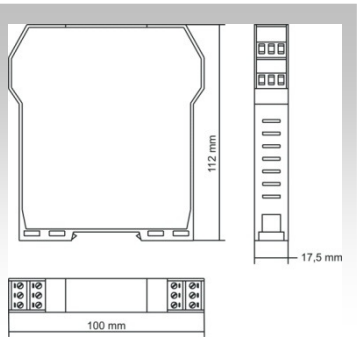
Z-LINE

Electric parameters converters

- INPUT:N.1 channel current 0..5 Aac or 0..10 Aac
- OUTPUT:N.1 channel current 0..20, 4 . 20 mA or voltage 0..10, 2..10 Vdc
- Galvanic isolation @ 3-way:
  - 3,75 kVac between input and power supply/output
  - 1,5 kVac between power supply and output
- High accuracy: better than 0,3%
- Screw-fit terminals removable
- Din rail mounting
- POWER SUPPLY: Z201: 9..40 Vdc, 19..28 Vac
  Z201-H: 85..265 Vac/Vdc

TECHNICAL DATA

Z201 – AC Current Converter



CE

ORDER CODES

Code		Description
Model	**Z201**	Power Supply 19..40 Vdc, 19..28 Vac
	Z201-H	Power Supply 85-265 Vac/Vdc

GENERAL FEATURES

Power supply	10÷40Vdc, 19÷28 Vac, 85-265 Vac/Vdc
Channels	N.1
Accuracy	0,3%
Status indicators	Power
Galvanic Isolation	Galvanic isolation @ 3-way: 3,75 kVac between input and power supply/output and 1,5 kVac between power supply and output circuits
Hot swapping	Yes
Power consumption	2,5 W
Sampling frequency	5 samples / second
Protections	Surges: 400W/ms. Loop supply short-circuit protected
Installation class	III, it can be applied on a three-phase network of up to 500V AC phase-phase, 300V AC phase-ground
Humidity	30..90% a +40°C (not condensing)

Design	Terminal housing for mounting on 35 mm DIN 46277
Admitted overlaod	12A continuative, 30A for 1 s
DIP Switch	Inputs signal setup
Enclosure	"V0" self-extinguishing glass filled nylon case
Dimensions	17,5 x 100 x 112 mm (w x h x d)
Weight	140 g
Operating temperature	-10..+65 °C
Connections	Plug-in screw clamp terminal blocks, wires up to 2.5 mm²
IP Protection	IP 20
Standards	EN50081-2 EN50082-2 EN61010-1 EN60742
Approvals	CE

INPUT

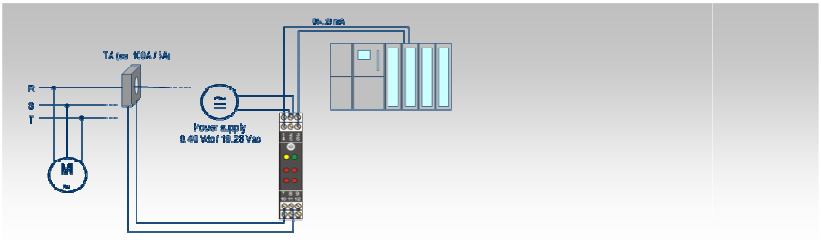
Alternate Current
-0..5Aac end scale current input
-0..10Aac end scale current input.

OUTPUT

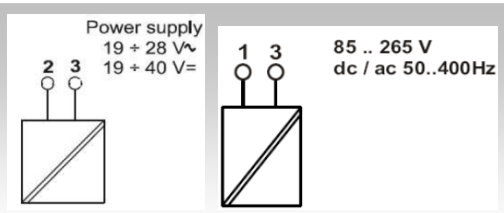
Current: 0..20 mA, 4..20 mA
Higher load resistance: 600 Ohm
Voltage: 0..5 Vdc, 1..5 Vdc, 0..10 Vdc and 2..10 Vdc
Lower load resistance: 2,5 KOhm

DIMENSIONS AND INSTALLATION

Application note

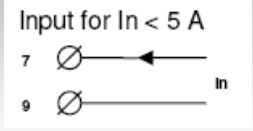


Power supply

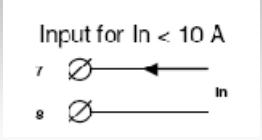


Input

0..5 Aac

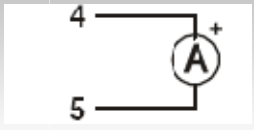


0..10 Aac

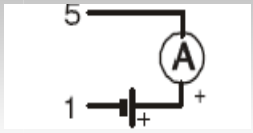


Output

Current – active output



Current – passive output



Voltage