

# Z-LINE Z201

## AC Current Converter

### Z-LINE

Electric parameters converters



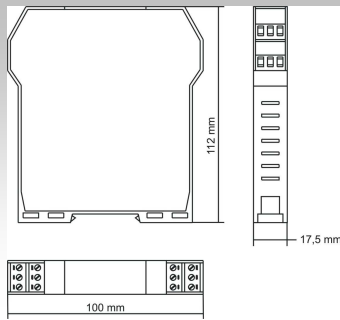
- ▶ INPUT:N.1 channel current 0..5 Aac or 0..10 Aac
- ▶ OUTPUT:N.1 channel current 0..20, 4 . 20 mA or voltage 0..10, 2..10 Vdc
- ▶ Galvanic isolation @ 3-way:
  - 3,75 kVac between input and power supply/output
  - 1,5 kVac between power supply and output
- ▶ High accuracy: better than 0,3%
- ▶ Screw-fit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

# TECHNICAL DATA

## Z201 – AC Current Converter

### ORDER CODE

Cod. Z201 AC Current Converter



### GENERAL FEATURES

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

<b>Design</b>	Terminal housing for mounting on 35 mm DIN 46277
<b>Admitted overload</b>	12A continuative, 30A for 1 s
<b>DIP Switch</b>	Inputs signal setup
<b>Enclosure</b>	"V0" self-extinguishing glass filled nylon case
<b>Dimensions</b>	17,5 x 100 x 112 mm (w x h x d)
<b>Weight</b>	140 g
<b>Operating temperature</b>	0..55 °C
<b>Connections</b>	Plug-in screw clamp terminal blocks, wires up to 2.5 mm <sup>2</sup>
<b>IP Protection</b>	IP 20
<b>Standards</b>	EN50081-2 EN50082-2 EN61010-1 EN60742

### INPUT

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

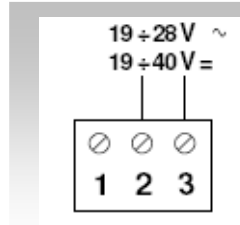
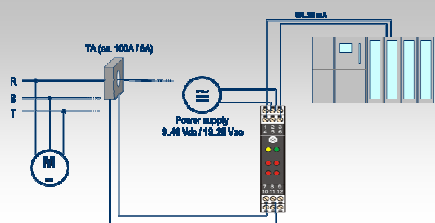
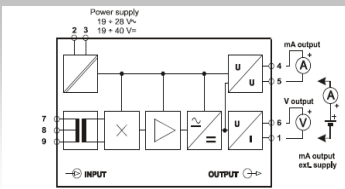
### OUTPUT

**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

Circuit diagram / Application note

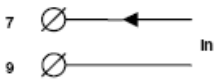
Power supply



#### Input

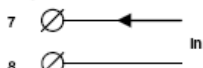
0..5 Aac

Input for  $I_n < 5 A$



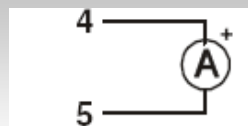
0..10 Aac

Input for  $I_n < 10 A$

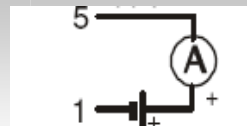


#### Output

Current – active output



Current – passive output



Voltage

