

**Z-LINE**

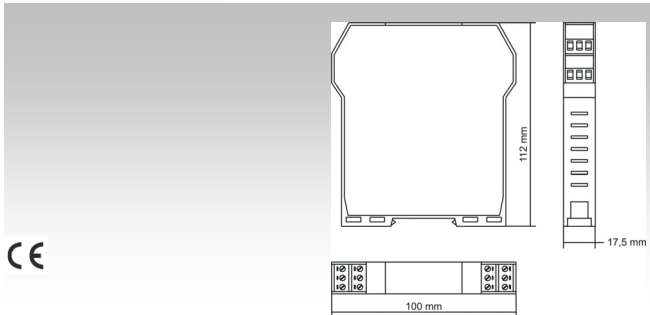
Electric parameters converters



- ▶ INPUT:N.1 channel voltage 10..490 Vac in 41 presetted scales
- ▶ 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 0,25%
- ▶ Screw-fit terminals removable
- ▶ Din rail mounting
- ▶ Power supply: 9..40 Vdc, 19..28 Vac

## TECHNICAL DATA

### Z202 – AC Voltage Converter



#### ORDER CODE

**Cod. Z202** AC Voltage Converter

#### GENERAL FEATURES

|                           |   |
|---------------------------|---|
| <b>Power supply</b>       | 9÷40Vdc, 19÷28 Vac  |
| <b>Channels</b>           | N.1   |
| <b>Accuracy</b>           | 0,25%   |
| <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> | 33 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>     | up to 10% of end scale   |
| <b>DIP Switch</b>            | -Inputs signal setup<br>-Outputs 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..60 °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<br>EN50082-2<br>EN61010-1<br>EN60742                       |
| <b>Approvals</b>             | CE   |

#### INPUT

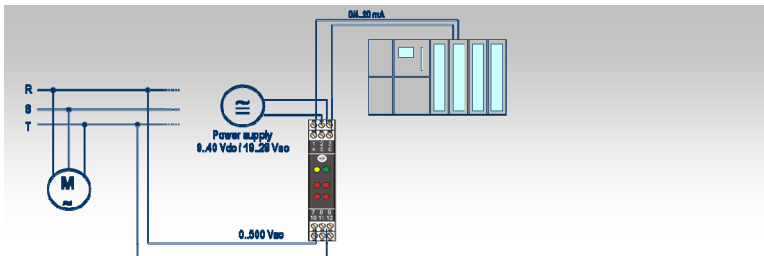
**Alternate Voltage:** 0..490 Vac in 41 presetted scales  
 Input impedance: 200 Ohm/V  
 Frequency: 10 Hz..1KHz

#### 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

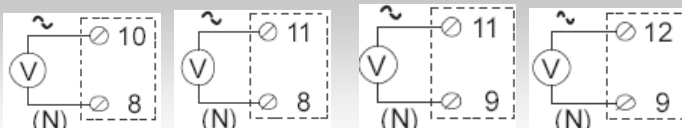
#### DIMENSIONS AND INSTALLATION

##### Application note

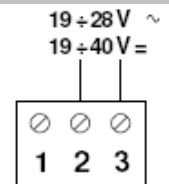


##### Input

F. S. 10V..130V    F. S. 140V..230V    F. S. 240V..370V    F. S. 380V..490V



##### Power supply



##### Output

Current – active output    Current – passive output    Voltage

