Z-LINE

Z-104

DC Current / Voltage Frequency converter

Z-LINE

Pulses converters

CE

- INPUT: current 0..20, 4 . 20 mA
  voltage 0..5, 1..5, 0..10, 2..10 Vdc
- OUTPUT: on npn open-collector 30 Vdc 300 mA;
  reed relay 30 Vdc/sc 100 mA
- ACCURACY: 0,2%
- Galvanic isolation @ 3-way
- Screw-fit terminals removable
- Din rail mounting
- Power supply: 19..40 Vdc, 19..28 Vac

SENECA

TECHNICAL SPECIFICATIONS

Z104 – DC Current Voltage Frequency converter

ORDER CODE

Cod. Z104

ELECTRICAL

Power supply	10..40 Vdc (9..30 opt), 19..28 Vac 50..60Hz
Power consumption	Max 2,5 W
Galvanic Isolation	Power supply // input // output at 1500 Vac
Protections	Output // supply against impulse overvoltage 400W /ms .
Status indicators	power ON on front panel relay pick-up indicator on front panel;
Installation class	II
Pollution rating	2
IP Protection	IP 20

SIGNALS AND MEASUREMENT

Channels	N.1
Inputs	**Current:** 0 . 20 mA or 4 . 20 mA, both active and passive connection (100 ohm) Active connection : loop supplyvoltage approx. 15 Vdc **Voltage:** 0 . 5 Vdc, 1 . 5 Vdc, 0 . 10 Vdc and 2 . 10 Vdc, (1 Mohm)
Outputs	Npn open-collector transistor 30 Vdc 300 mA Reed-relay 30 Vdc-sc 100 mA Settable in the range 1 pulse every 2 hours to 10 KHz;
Accuracy	Setting error: 0,2% Temperature coefficient: 0,02% /°C Linearity error: 0,05%

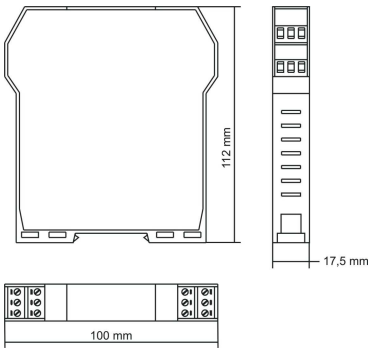
THERMOMECHANICS

Operating temperature	0..+55 °C
Humidity	30..90% a +40°C (non condensing)
Dimensions	17.5 x 100 x 112 mm (w x h x d)
Weight	150 g
Connections	Screw-fit removable terminals for wires up to 2.5 mm²
Mounting	35 mm DIN 46277

CONFIGURATION AND STANDARDS

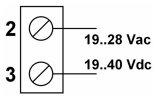
DIP Switch	-Input signal setup -Output signal setup (using a common digital tester)
Standard	EN50081-2 (electromagnetic emissions, industrial environment) EN50082-2 (electromagnetic immunity, industrial environment) EN61010-1 (safety)

DIMENSIONS



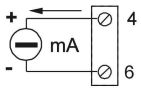
ELECTRICAL CONNECTIONS

Power supply

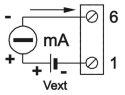


Inputs

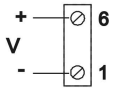
Current with internal loop power supply



Current with external power supply

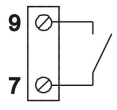


Voltage

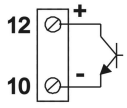


Outputs

Reed-relay 30 Vdc-ac 100 mA



Npn open-collector 30 Vdc 300 mA



CIRCUIT DIAGRAM