

DC Current / Voltage Frequency converter

Z-LINE

Pulses converters



- ▶ INPUT: current 0..20, 4 . 20 mA
voltage 0.5, 1..5, 0..10, 2..10 Vdc
- ▶ OUTPUT: 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

TECHNICAL SPECIFICATIONS

Z104 – DC Current Voltage Frequency converter



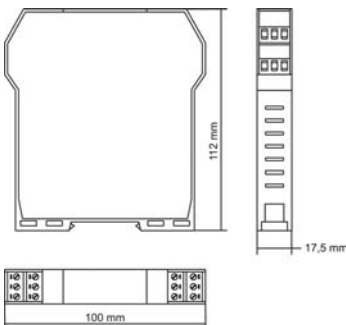
ELECTRICAL

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

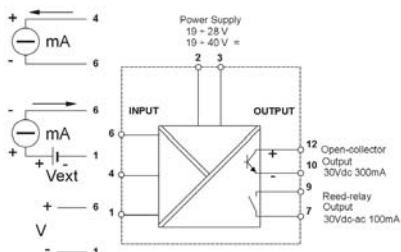
THERMOMECHANICS

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 mm ²
Mounting	35 mm DIN 46277

DIMENSIONS



CIRCUIT DIAGRAM



ORDER CODE

Cod. Z104

SIGNALS AND MEASUREMENT

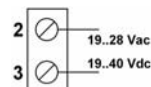
Channels	N.1
Inputs	Current: 0 . 20 mA or 4 . 20 mA, both active and passive connection (100 ohm) Active connection : loop supplyvoltage approx. 15 Vdc Voltage: 0 . 5 Vdc, 1 . 5 Vdc, 0 . 10 Vdc and 2 . 10 Vdc, (1 Mohm)
Outputs	Npn open-collector transistor 30 Vdc 300 mA Reed-relay 30 Vdc-sc 100 mA Settable 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%

CONFIGURATION AND STANDARDS

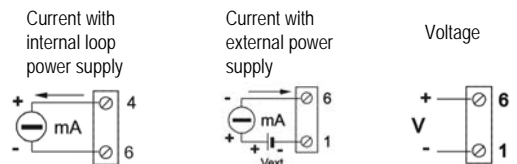
DIP Switch	-Input signal setup -Output signal setup (using a common digital tester)
Standard	EN50081-2 (electromagnetic emissions, industrial environment) EN50082-2 (electromagnetic immunity, industrial environment) EN61010-1 (safety)

ELECTRICAL CONNECTIONS

Power supply



Inputs



Outputs

