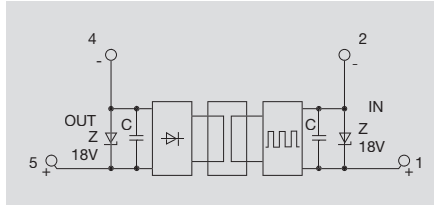
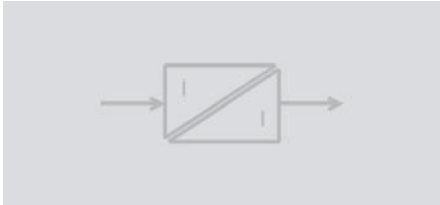
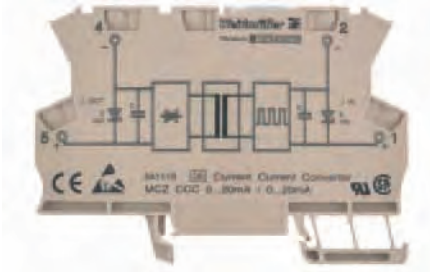


DC/DC passive isolator

Input current loop-fed

Passive isolator for electrical isolation of standard 0/4...20 mA signals. It is fed by the measuring signal and does not need any auxiliary power supply. Special features of this component are its low power consumption and the operating current of <math>< 100 \mu\text{A}</math>.

MCZ CCC



Technical data

Input

Input voltage/Input current
Max. voltage/Max. current
Operating current
Voltage drop

/0(4)...20 mA current loop
15 V/50 mA
<math>< 100 \mu\text{A}</math>
2.5...3 V at 20 mA

Output

Output voltage/Output current
Load resistance voltage/Current
Accuracy
Temperature coefficient
Influence of load impedance
Residual ripple
Chopper frequency

/0(4)...20 mA
<math>/< = 500 \Omega</math>
<math>< 0.1 \text{ \% of final value}</math>
<math>< 50 \text{ ppm/K of measur. value at } 0 \Omega \text{ load resist.}</math>
0.05 % of measurement value/100 Ω load resistance
<math>< 10 \text{ mVeff}</math>
Approx. 200 kHz

General data

Operation temperature
Storage temperature
Approvals

-25 $^{\circ}\text{C}$...+60 $^{\circ}\text{C}$
-40 $^{\circ}\text{C}$...+85 $^{\circ}\text{C}$
CSA / UL/UR / CE / ESD

Insulation coordinates

Standards
EMC standards
Isolation voltage Input, output

EN 60529, EN 61010-1
EN 50081-1, EN 50082-2
510 Veff

Dimensions

Clamping range (rating- / min. / max.) mm²
Length x width x height mm

Tension clamp c.

1.50 / 0.50 / 1.50
91.0 x 6.0 x 63.2

Information

Ordering data

Type of connection

Tension clamp c.

Type	Qty.	Order No.
MCZ CCC 0-20mA/0-20mA	10	8411190000

Information

Accessories

Information