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## ► Extract from the online catalog



MCR passive isolator, for the electrical isolation of current signals without auxiliary power, 2-channel, input signal: 0(4)..20 mA, output signal: 0(4)..20 mA

Order No.	2814029
Ord designation	MCR-2CLP-I-I-00
EAN	4017918131715
Pack	1 Pcs.
Customs tariff	85389091
Catalog page information	Page 273 (IF-2005)

## ► Technical data

### Input data

Description of the input	Current input
Configurable/programmable	No
Current input signal	0 mA ... 20 mA
Current input signal	4 mA ... 20 mA
Max. input voltage	30 V
Max. input current	50 mA
Input voltage limitation	33 V (With Zener diode)
Voltage dissipation	2.5 V (At I = 20 mA)

### Output data

Output name	Current output
Configurable/programmable	No
Current output signal	0 mA ... 20 mA
Current output signal	4 mA ... 20 mA
Max. output current	< 50 mA
Load/output load current output	1375 Ohm (At I = 20 mA output signal)
Residual ripple	< 5 mV (rms)

### Power supply

Range of supply voltages	(No separate supply voltage necessary)
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### Connection data

Type of connection	Screw connection
Conductor cross section, rigid min.	0.2 mm <sup>2</sup>
Conductor cross section, rigid max.	2.5 mm <sup>2</sup>
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section, flexible max.	2.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	14
Stripping length	8 mm
Screw thread	M 3

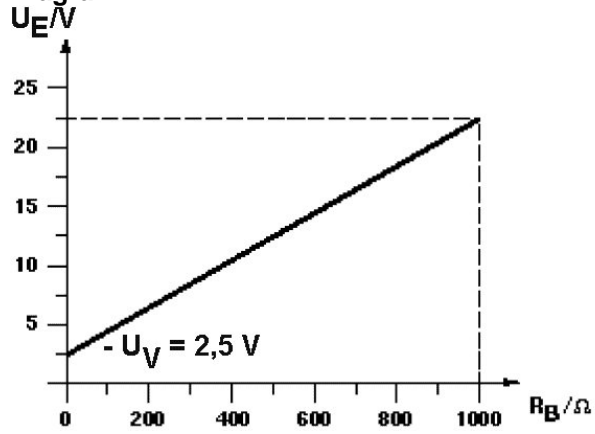
### General data

No. of channels	2
Length	99 mm
Width	12.5 mm
Height	114.5 mm
Transmission error, max.	0.1 % (Of end value)
Transmission error, typical	0.1 % (Of end value)
Temperature coefficient, max. (/K)	<= 0.002 % (From measured value / 100 Ohm load)
Additional error, load-dependent	0.02 % (From measured value / 100 Ohm load)
Cut-off frequency (3 dB)	< 75 Hz (At I = 20 mA and maximum load)
Step response (10-90%)	5 ms (With 500 Ohm load)
GRP test voltage	0.51 kV AC (50 Hz, 1 min)
Test voltage input/output	510 V AC
Ambient temperature (operation)	-10 ° C ... 70 ° C
Electromagnetic compatibility	CE in compliance
Color	green
Housing material	Polyamide PA non-reinforced

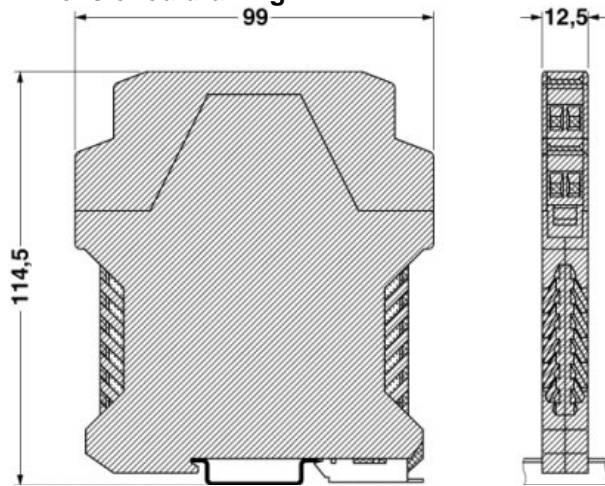


## ► Drawings

Diagram



Dimensioned drawing



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## ► Address

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