

MCR-1CLP-I-I-00

Order No.: 2814016



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2814016>

MCR passive isolator, for the electrical isolation of current signals without auxiliary power, 1-channel, input signal: 0(4)...20 mA, output signal: 0(4)...20 mA



Commercial data

GTIN (EAN)	 4 017918 131722
sales group	H505
Pack	1 pcs.
Customs tariff	85437090
Catalog page information	Page 411 (IF-2011)

Product notes

WEEE/RoHS-compliant since:
03/07/2007



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Technical data

Input data

Description of the input	Current input
Configurable/programmable	No
Current input signal	0 mA ... 20 mA
	4 mA ... 20 mA

Max. input voltage	30 V (30 V overload)
Max. input current	50 mA (100 mA overload)
Response current	< 50 μ A
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 4 mA ... 20 mA
Max. output current	< 50 mA
Load/output load current output	$\leq 1375 \Omega$ (at I = 20 mA output signal)

Power supply

Supply voltage range	(no separate supply voltage necessary)
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Connection data

Connection method	Pluggable screw connection
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	14
Stripping length	8 mm
Screw thread	M3

General data

No. of channels	1
Width	12.5 mm
Height	99 mm
Depth	114.5 mm
Maximum transmission error	$\leq 0.1 \%$ (of final value)
Maximum temperature coefficient	$\leq 0.002 \%/K$ (of measured value / 100 Ω load)
Additional error, load-dependent	0.02 % (of measured value)
Limit frequency (3 dB)	< 75 Hz

Step response (10-90%)	5 ms (with 500 Ω load)
Ambient temperature (operation)	-10 °C ... 70 °C
Degree of protection	IP20
Test voltage input/output	510 V (50 Hz, 1 min.)
Color	green
Housing material	Polyamide PA non-reinforced
Mounting position	Any
Conformance	CE-compliant
UL, USA / Canada	cULus

Certificates / Approvals

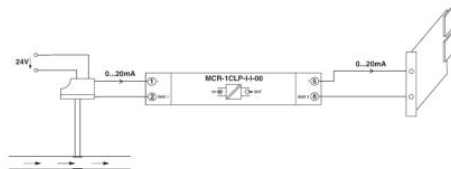


Certification

CUL, GOST, UL

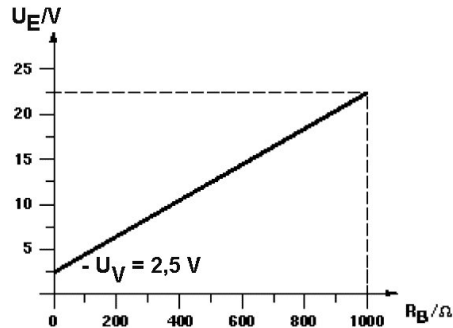
Diagrams/Drawings

Application drawing

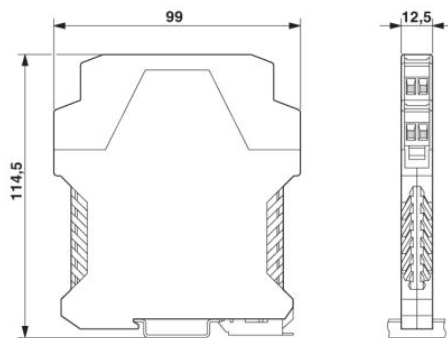


Application example: - flow measurement
1 = magnetic inductive flow gauge
2 = control

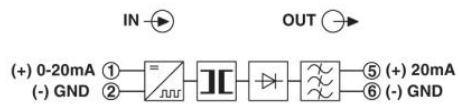
Diagram



Dimensioned drawing



Circuit diagram



Address

PHOENIX CONTACT Inc., USA
586 Fulling Mill Road
Middletown, PA 17057, USA
Phone (800) 888-7388
Fax (717) 944-1625
<http://www.phoenixcon.com>



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