

## Signal conditioner - MCR-FL-C-UI-2UI-DCI - 2814854

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



MCR signal multiplier, for doubling and electrical isolation of analog signals, unconfigured

### Your advantages

- ✓ Calibrated selectable input and output signals
- ✓ 4-way isolation



### Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	138.100 g
Custom tariff number	85437090
Country of origin	Germany

### Technical data

#### Dimensions

Width	17.5 mm
Height	99 mm
Depth	114.5 mm

#### Ambient conditions

Ambient temperature (operation)	-25 °C ... 55 °C
---------------------------------	------------------

#### Input data

Description of the input	Current input
Number of inputs	1
Configurable/programmable	Yes, preconfigured
Current input signal	0 mA ... 24 mA (freely selectable in 0.1 mA steps)

# Signal conditioner - MCR-FL-C-UI-2UI-DCI - 2814854

## Technical data

### Input data

Max. input current	50 mA
Input resistance current input	50 $\Omega$
Description of the input	Voltage input
Configurable/programmable	Yes, preconfigured
Voltage input signal	0 V ... 12 V (freely selectable in 0.1 V steps)
max. input voltage	30 V
Input resistance of voltage input	200 k $\Omega$

### Output data

Output name	Voltage output
Number of outputs	2
Configurable/programmable	Yes, preconfigured
Voltage output signal	0 V DC ... 10 V DC (refer to the order key)
	2 V DC ... 10 V DC
	0 V DC ... 5 V DC
	1 V DC ... 5 V DC
Max. output voltage	15 V
Load/output load voltage output	$\geq 10$ k $\Omega$
Output name	Current output
Configurable/programmable	Yes, preconfigured
Current output signal	0 mA ... 20 mA (refer to the order key)
	4 mA ... 20 mA
	0 mA ... 10 mA
Max. output current	35 mA
Load/output load current output	$\leq 600$ $\Omega$

### Power supply

Supply voltage range	20 V DC ... 30 V DC
Max. current consumption	< 25 mA

### General

No. of channels	2
Maximum transmission error	$\leq 0.15$ % (of final value)
Transmission error, typical	0.05 % (of final value)
Maximum temperature coefficient	< 0.015 %/K
Temperature coefficient, typical	0.0075 %/K
Limit frequency (3 dB)	30 Hz
Step response (10-90%)	12 ms
Protective circuit	Transient protection

## Signal conditioner - MCR-FL-C-UI-2UI-DCI - 2814854

### Technical data

#### General

Test voltage, input/output/supply	1.5 kV (50 Hz, 1 min.)
Color	green
Housing material	Polyamide PA non-reinforced
Mounting position	any
Conformance	CE-compliant
UL, USA/Canada	Class I, Div. 2, Groups A, B, C, D or Non-Hazardous Locations

#### Standards and Regulations

Connection in acc. with standard	CUL
Conformance	CE-compliant
UL, USA/Canada	Class I, Div. 2, Groups A, B, C, D or Non-Hazardous Locations

#### Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"