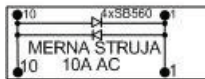


## MPI118/1 Current Measuring Converter

Current measuring converter, MPI 118/1, belongs to the group of measuring converters using the two-way rectification method. The converter converts the input AC voltage to the output DC current or DC voltage signal. The output signal is galvanically isolated from the supply voltage and the input signal.



1	MERNA STRUJA 10A
2	
3	POMOĆNO NAPAJANJE 220V 50Hz
4	
5	
6	
7	
8	+ IZLAZ (mA)
9	- IZLAZ (mA)
10	MERNA STRUJA 10A
11	



	Power Supply	Input	Output
1	24 VDC	0 – 1 A	0 – 5 mA
2	20 – 60 VDC	0 – 5 A	0 – 10 mA
3	48 VDC	/	0 – 20 mA
4	110 VDC	/	4 – 20 mA
5	100 – 240 VDC/AC	/	0 – 10 V
6	230 VAC	/	/
7	/	/	/
8	/	/	/
9	/	/	/
0	per request	per request	per request

### Technical Data

Measuring method	Electronic rectifier
Rated input value	1A, 5A
Rated frequency	50Hz, 60Hz
Own consumption	<2VA
Permanent overload	1.2In
Short-term overload	2In
Output Load (Voltage)	>10kΩ
Output load (current)	700 – 1500Ω
Setup time	200ms
Otuput ripple	0.2%
Deviation at nominal conditions	0.2%
Linearity	0.1%
Influence of temperature	0.1% / 10°C
Working temperature	-10°C...+55°C
Storage temperature	-40°C...+70°C
Supply voltage variation	±20%
Frequency variation	±20%
Test voltage (all circuits coupled together)	4kV, 50Hz, 1min

MPI 118/1 type is based on the desired combinations from the table:  
PowerSupply.Input.Output, for example:

**MPI 118/1 3.1.4** has a 48VDC power supply, an input signal in the range from 0 to 1A, and the output current is in the range 4-20mA;

**MPI 118/1 4.2.5** has a 110VDC power supply, input 0-5A, and the output voltage is in the range 0-10VDC;

**MPI 118/1 0.0.0** (or just MPI 118/1) is based on user needs.

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