

## MMI 12 - Modular measuring equipment for the DIN top hat rail

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### MMI 12

The MMI 12 module is a power module for connection to an MMU 3 or an MMB 700. Up to 12 current channels can be measured with each MMI 12. MMI 12 can be connected to a master device with Local Bus connection using the RJ45 cable. With a maximum of 5 interconnected modules, up to 60 currents (e.g. 20 x 3-phase loads) can be measured. The current inputs are designed for J3CT (3-phase transformer set) or the JC (1-phase cable conversion transformer) transformers with 333 mV and offer connection via plug-in contacts.

### Application:

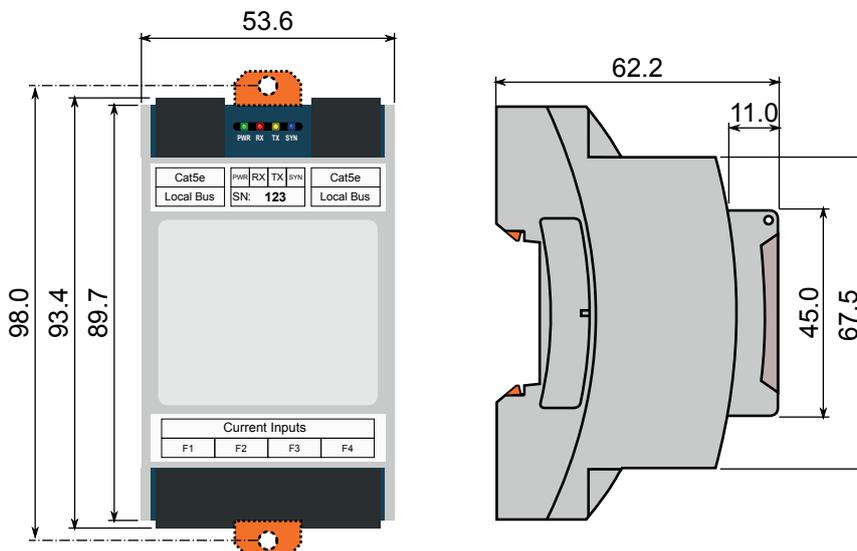
The device is used for continuous monitoring of the currents in the outlets.



Supply voltage	Measurement voltage		Measuring inputs	Functions			Communication					Type	Item number
	5 - 1470 V LL	8 - 620 V LL		Digital inputs/ outputs	Memory size in MB	Clock	Local Bus	RS485	Ethernet	Gateway Modbus master	USB		
•*	-	-	12I	-	-	-	•	-	-	-	-	MMI 12	10.47.9000

\* via local bus

### Dimensional drawings



## Technical specifications - MMI 12

MMI 12		
Communication	Interfaces	Local Bus
	Communication protocols	Internal bus
Electrical connection	Supply voltage	Supply via local bus
	Power input	1.5 W
	Overvoltage category	Depending on the transformer used
	Transformers	12x 333 mV
	Overload current	Permanent: 666 mV AC / peak overload for max. 1 sec: 3.33 V AC
	Input impedance current	39 kOhm
	Input load current	< 5 $\mu$ VA
	Sampling rate	6.4 kHz
Mechanical attributes	Operating temperature range	-25 - 60 °C at < 95 % relative humidity
	Bearing temperature range	-40 - 80 °C at < 95 % relative humidity
	Protection class front / total	IP 40 / IP 20
	Dimensions WxHxD	54 x 94 x 61 mm
	Weight	0.1 kg

\* depending on the variant