

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

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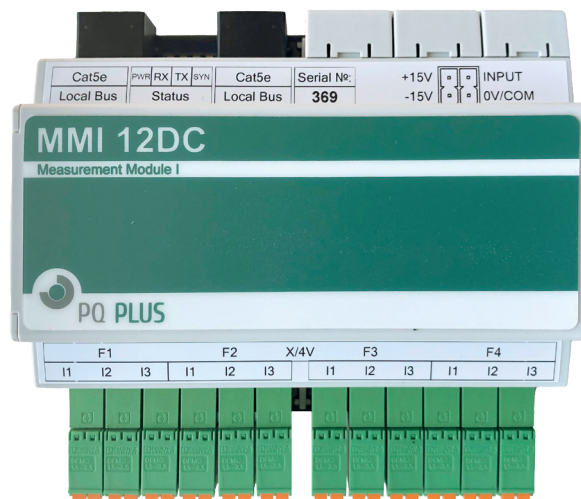


## MMI 12DC

The MMI 12DC module is a power module for connection to an MMU 3 or any other master device with a local bus connection. Up to 12 DC or AC currents can be measured with each MMI 12DC. The MMI 12DC can be connected to other devices via the local bus interface using an RJ45 cable. With a maximum of 5 interconnected modules, up to 60 currents can be measured. The current inputs are designed for Hall sensors (e.g. type JS (H series) with an output signal of  $\pm 4$  V.

### Application:

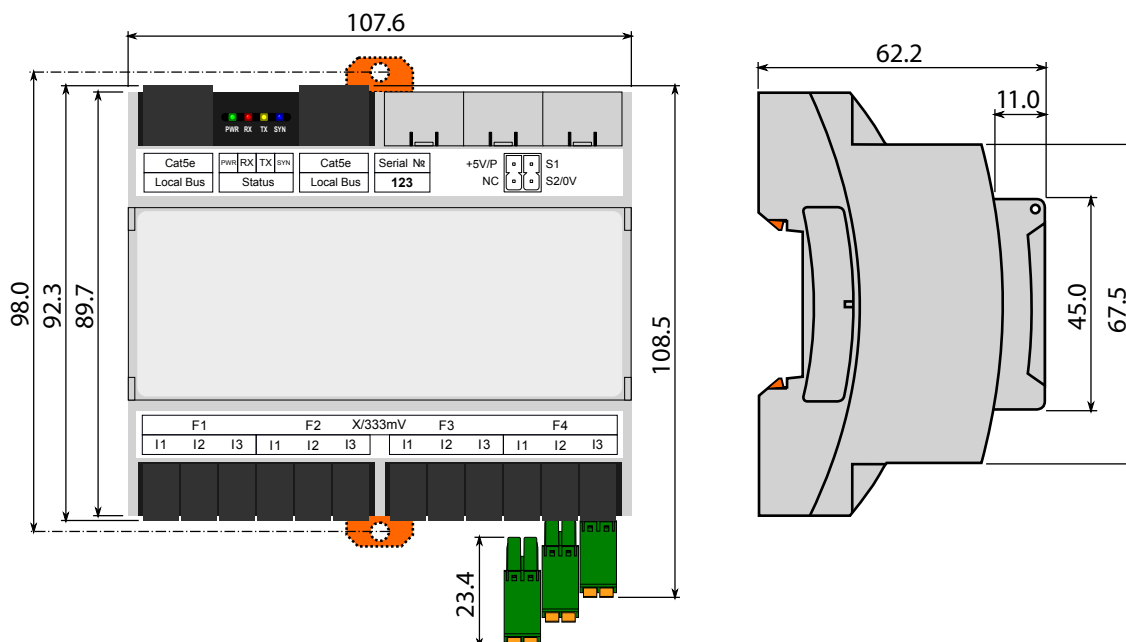
The device is used for continuous monitoring of direct and alternating currents.



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 12DC	10.54.9000

\* via local bus

## Dimensional drawings



## Technical specifications - MMI 12DC

MMI 12DC		
Communication	Interfaces	Local Bus
	Communication protocols	Internal bus
Electrical connection	Supply voltage	Supply via local bus
	Power input	2.5 W – 16 W
	Overvoltage category	Depending on the transformer used
	Transformers	12x ±4 V (Hall sensors)
	Overload current	Permanent: 8 V AC / peak overload for max. 1 sec: 40 V AC
	Input impedance current	33.9 kOhm
	Input load current	< 1 mVA
	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	167 x 90 x 61 mm
	Weight	0.2 kg

\* depending on the variant