

MMI 12Flex – Modular measuring equipment for the DIN top hat rail

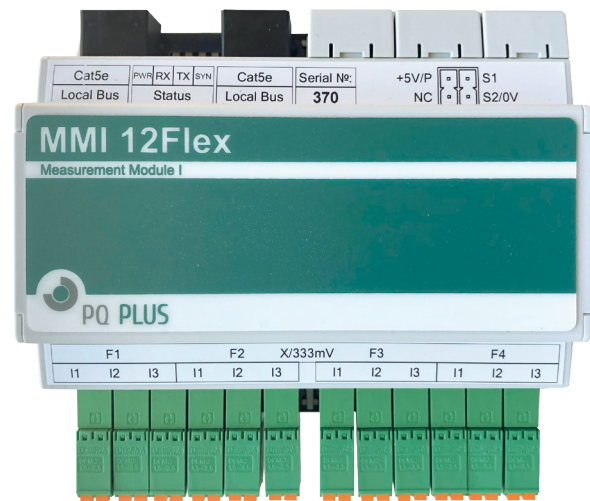
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MMI 12Flex

The MMI 12Flex module is a power module for connection to an MMU 3 or any other master device with a local bus connection. Up to 12 current channels can be measured with each MMI 12Flex. The MMI 12Flex 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 (e.g. 20x 3-phase loads) can be measured. The current inputs are designed for Rogowski coils (e.g. type KBU Flex) with an output signal of 333 mV.

Application:

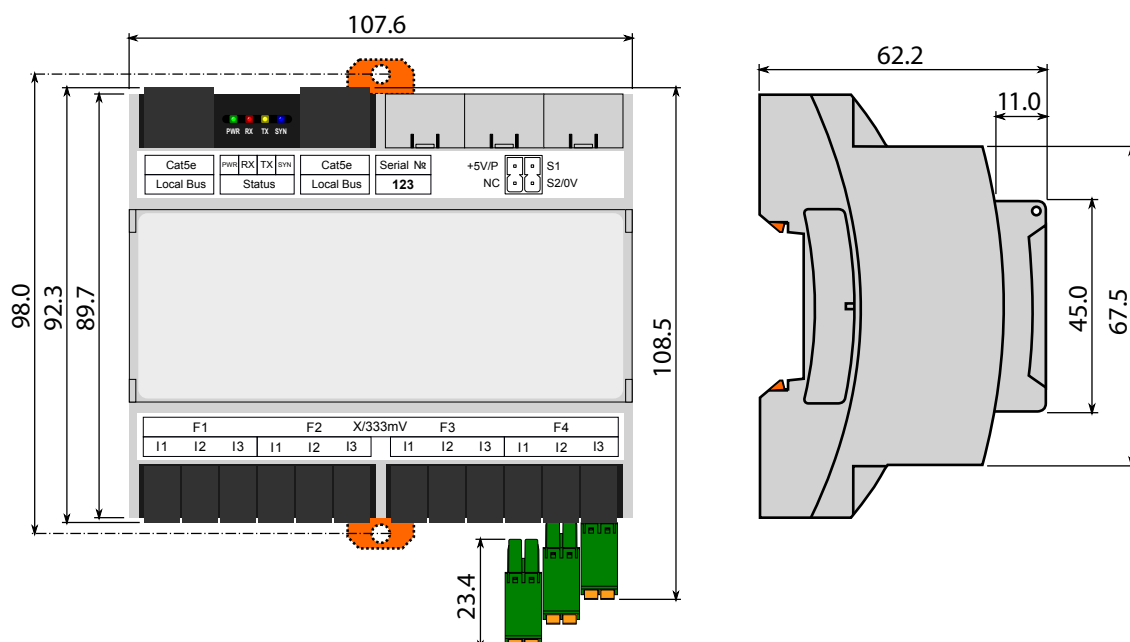
The device is used for continuous monitoring of the currents in the outlets.



Supply voltage	Measurement voltage		Measuring inputs	Functions			Communication					Type	Item number
	5 - 1470 V LL	8 - 620 V LL	Number	Digital inputs/ outputs	Memory size in MB	Clock	Local Bus	RS485	Ethernet	Gateway Modbus master	USB		
•*	-	-	12I	-	-	-	•	-	-	-	-	MMI 12Flex	10.53.9000

* via local bus

Dimensional drawings



Technical specifications – MMI 12Flex

MMI 12Flex		
Communication	Interfaces	Local Bus
	Communication protocols	Internal bus
Electrical connection	Supply voltage	Supply via local bus
	Power input	2 W – 5 W
	Overvoltage category	Depending on the transformer used
	Transformers	12x 333 mV (Rogowski coils)
	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 µVA
	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