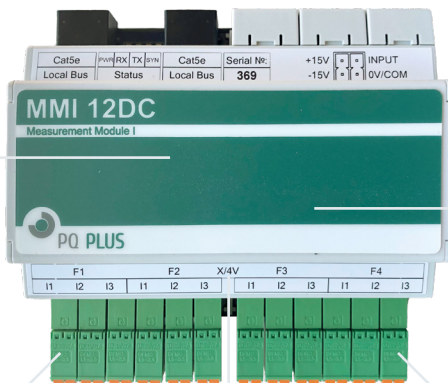


MMI 12DC - Modular measuring technology for DIN rail

Download data sheet



Measurement inputs: 12x current  
Current measurement:  $\pm 4$  V (Hall sensors)



Measurement category: Depending on the current transformer used  
Scanning: 6.4 kHz  
Sampling rate of measured values: up to 200 ms



Harmonics: THD-I



Accuracy of current measurement: Class 0.5  
Accuracy of active power / real energy: Class 1  
Accuracy of reactive power / real energy: Class 2



Communication interfaces: Local Bus  
Communication protocols: Modbus (via upstream master device)

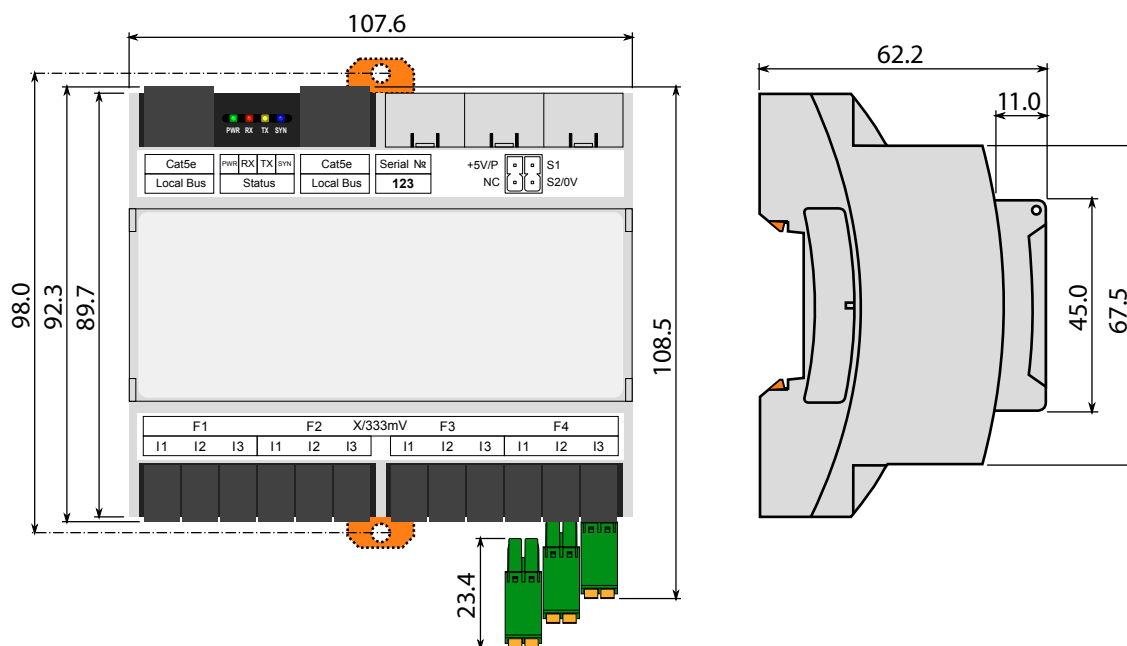
Areas of use

- Industry
- Data centre
- Hospital
- Railway technology
- Battery systems

Supply voltage	Measurement voltage		Measuring inputs	Functions			Communication					Type	Item number	
	5 - 1470 V LL	8 - 620 V LL		Digital in- / outputs	Memory size in MB	Clock	Local Bus	RS485	Ethernet	Gateway Modbus master	USB			
24 V DC	-	-	Quantity	-	-	-	•	-	-	-	-	-	MMI 12DC	10.54.9000

\* via local bus

## Dimension drawings



## Technical specification - MMI 12DC

MMI 12DC		
Communication	Interfaces	Local Bus
	Communication protocols	Internal bus
Electrical connection	Supply voltage	Supply via local bus
	Power consumption	2.5 W – 16 W
	Current transformers	12x ±4 V (Hall sensors)
	Current overload	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 properties	Operating temperature range	-25 ... 60 °C at < 95 % relative humidity
	Temperature range bearing	-40 ... 80 °C at < 95 % relative humidity
	Protection type front / total	IP 40 / IP 20
	Dimensions WxHxD	167 x 90 x 61 mm
	Weight	0.2 kg