

Energy meters **Ex9EM2**

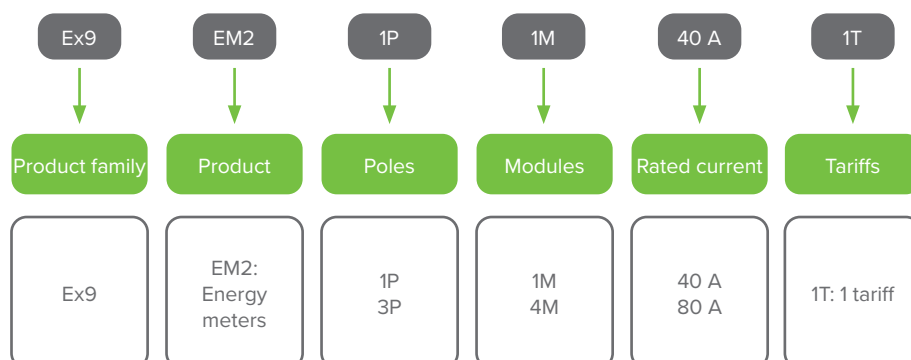


- Basic Energy Meters according to EN 62052-11, EN 62053-21, EN 50470-3
- Mounting on DIN rails
- Operating voltage U_e 230/400 V AC
- Fixed rated current
- LCD register
- 1 or 4 module width

Energy Meters Ex9EM2 are basic meters of electric energy.

Installation Energy Meters Ex9EM2 are suitable for residential and industrial applications. The biggest advantage is mounting on DIN rails inside consumer units. They will find their use everywhere where it is needed to count consumed energy.

Type Key



Certification marks



Energy Meters **Ex9EM2**

Energy Meters

- Basic energy meters
- With LCD display
- 40 A or 80 A direct measurement
- Width 1 or 4 MU



Rated current	Poles	Modules	Article No.	Type	Packing
40 A	1	1	117914	Ex9EM2 1P 1M 40A 1T	1/10/120
80 A	3	4	117915	Ex9EM2 3P 4M 80A 1T	1/45

Technical Data **Ex9EM2**

Energy Meters

General parameters

40 A or 80 A direct measurement

Electrical parameters

	Ex9EM2 1P 1M 40A 1T	Ex9EM2 3P 4M 80A 1T
Tested according to	EN 62052-11, EN 62053-21, EN 50470-3	
Rated operating voltage U_e	230 V AC	3x230/400 V AC
Rated frequency f	50 Hz	
Rated current $I_e (I_{max})$	0.25 - 5(40) A	0.25 - 5(80) A
Poles	1	3
Communication	-	
Connection mode	Direct	
Power consumption	$\leq 8 \text{ VA}, \leq 0.4 \text{ W}$	
Impulse output	1 000	
Display	LCD 5+2	LCD 6+2
Accuracy class	1	
Battery	-	
Starting current	$0.004 \cdot I_e$	
Measurement type	Active Energy	
Pulse output	1 000 Imp/kWh $R_L = 1 \text{ Wh/Imp}$ $R_A = 1 \text{ Wh/Imp}$ S0 - Standard DIN 43864	
Pulse width	90 ms	
LED	Impulse rate = Usage	

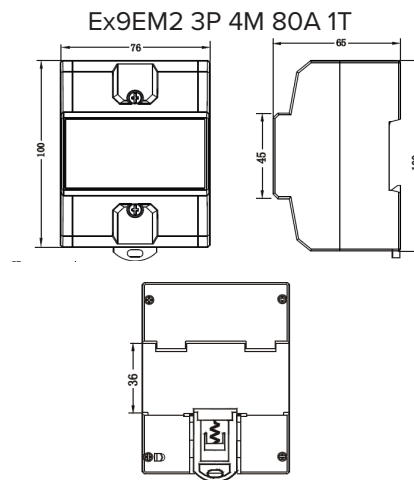
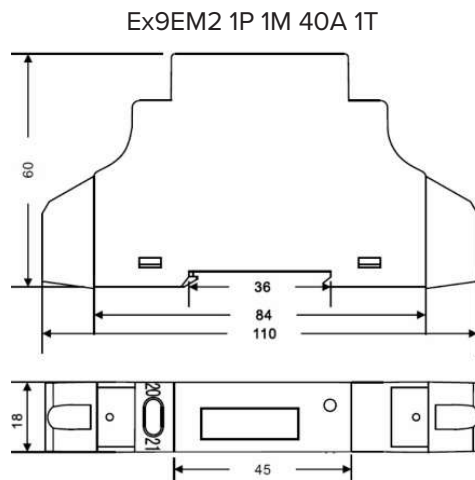
Mechanical parameters

Device width	18 mm	76 mm
Device height	84 mm (without covers), 110 mm	100 mm
Frame size	45 mm	
Mounting	onto 35 mm device rail (DIN)	
Degree of protection		
with terminal covers	IP 51	
without terminal covers	IP 50	
Terminals	screw terminals	
Max. terminal capacity	6 mm ²	35 mm ²
Ambient temperature	-25°C — +55°C	
Max. rel. humidity	75% Average, 95% Short time	
Insulation class	II	
Sealable	yes	

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Energy Meters

Dimensions



Wiring diagram

