EM479

COMPACT-transducer EM479

Measuring transducer for sinusoidal voltage

Voltage transducer for measurement of sinusoidal voltages. These active measuring transducer consists of an 4-20mA and 0-10V output in one housing. One of these outputs may be selected. Auxiliary supply is always 230Vac.

Input

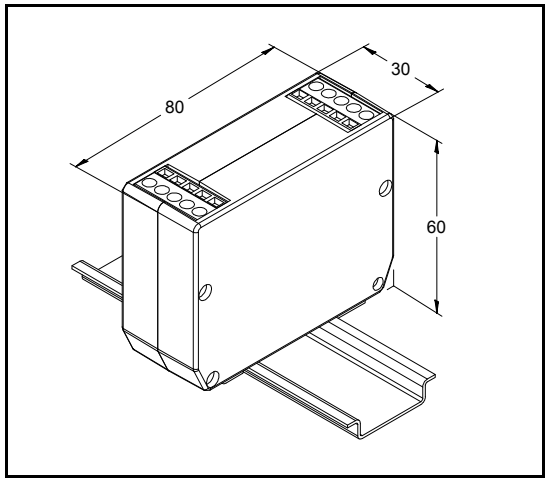
► Sinusoidal AC-voltage
► 0-100V up to 0-500V, direct or via external VT

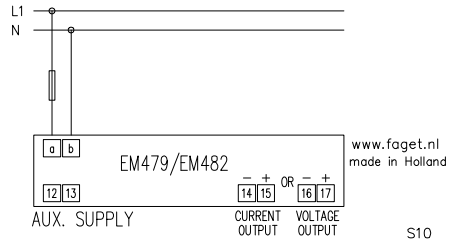
Output

► Lineair, 4-20mA or 0-10V

Auxiliary supply

► 230Vac





Possible wiring diagram : S10.
More wiring diagrams on page 18 of our catalogue

Order information

Measuring range		Order number
0-250V	4-20mA or 0-10V	6R5001
0-500V	4-20mA or 0-10V	6R5002

Input

Nominal voltage	100..500V
	in normalised ranges
Nominal frequency	45..50..60..65Hz
Overload	1,2 xUn continu
	2x Un 10 second
Power consumption	<1VA

Output

Current output	4-20mA
load voltage	10V
current limitation	<30mA
Voltage output	0-10V
load current	10mA
voltage limitation	<30V
Accuracy class	|0.5|
Ripple	<0,4%pp
Response time	
0-90% & 100-10%	<500ms

Auxiliary supply

Voltage	230Vac
Power consumption	<2VA

Safety

Impulse test	5kV 1,2/50µs
Insulation test	4kV 50Hz 1min.
Housing protection	
Terminals	IP20
Housing	IP40
EMC	
Emission	EN50081-1
Immunity	EN50082-2
Usage group	III (IEC60688)
Pollution degree	II (IEC60947-1)