EM481

COMPACT-transducer EM481

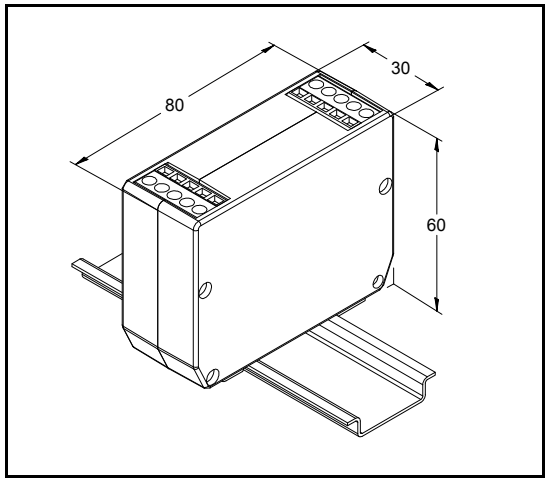
Measuring transducer for sinusoidal current

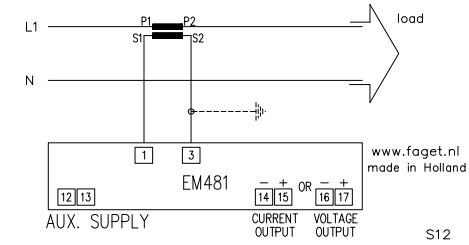
Current transducer for measurement of sinusoidal current. These active measuring transducer consists of an 4-20mA and 0-10V output in one housing. One of these outputs may be selected. Auxiliary supply is always 230Vac.

Input
- ► Sinusoidal AC-current
- ► 1A & 5A of 1,2 & 6A direct, or via external CT

Output
- ► Lineair, 4-20mA or 0-10V

Auxiliary supply
- ► 230Vac





Possible wiring diagram : S12.

Order information		
Measuring range		**Order number**
0-1A	4-20mA or 0-10V	6R2501
0-5A	4-20mA or 0-10V	6R2502

Input	
Nominal current	1A or 5A (6A max)
Nominal frequency	45..50..60..65Hz
Overload	1,2xIn continue
	60xIn / 1sec.
Power consumption	< 0,4VA

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)