EM800-W

COMPACT-transducer EM800-W

Transducer for active power

Transducer suitable for measurement of active power in 1 or multi phase systems with balanced or unbalanced loads. By using µP-technology, allmost each thinkable output curve is possible.

Input

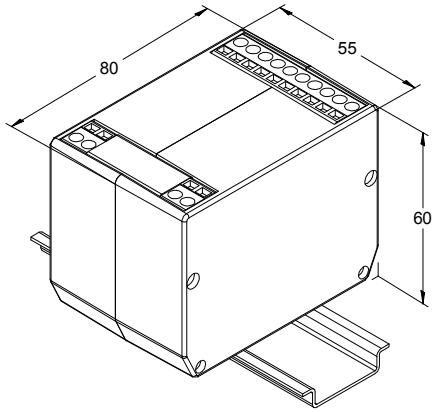
- ► AC Voltage, nominal value from 58 up to 440V
- ► AC current, nominal 1A or 5A via CT
- ► Sinusoidal or distorted (TRUE RMS)

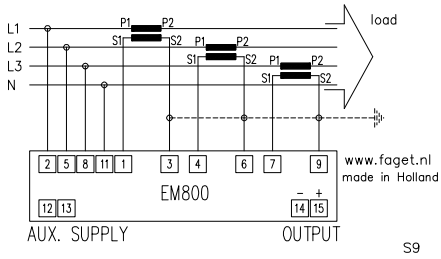
Output

- ► Unipolair output and live-zero output
- ► Current or voltage output possible
- ► Single-, dual-, and tripple-slope output signals possible

Aux. supply

- ► Normalised AC voltages from 58V up to 440V





Suitable wiring diagrams : S3 up to S9-4.
More wiring diagrams on page 19 of our catalogue

Order information

You can use our product specification sheet PSBEEM800. You can find it on page 22 of our catalogue or via www.faget.com.

Input	
Nominal voltage	58/100V…254/440V
Nominal current	1A or 5A (6A max)
Nominal frequency	45..50..60..65Hz
on request	16⅔Hz, 400Hz, DC
Callibration factor	Pn=(0,4…1,3) x Ps
	Ps=√3xUnxIn
	Pn=prefered range
Overload	1,2xUn continue
	2xUn / 10sec.
	1,2xIn continue
	50xIn / 1sec.
Power consumption	
each current input	0,4VA
each voltage input	<50µA

Output	
Output end value	1, 5, 10 or 20mA
live zero	20% of end value
load voltage	10V
current limitation	<30mA
Voltage output	1, 5 or 10V
live zero	20% of end value
max. current load	10mA
voltage limitation	<30V
Accuracy class	
Class	|0.5|
Ripple	<0,4%pp
Response time	
0-90% & 100-10%	<250ms

Auxiliary supply	
Voltage	100, 110, 230, 400, 440Vac (45-65Hz)
Power consumption	<4VA

Safety	
Impulstest	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)