EM800-U

COMPACT-transducer EM800-U

Transducer for True RMS voltage

Transducer suitable for measurement sinusoidal-, non sinusoidal- and direct-voltage. By using -technology, allmost each thinkable output curve is possible.

Input

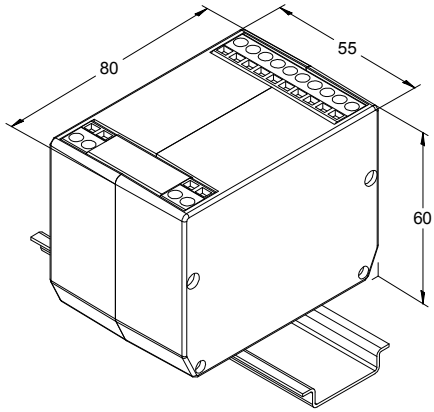
- ► DC-, sinusoidal-AC or distorted-AC voltage(True RMS)
- ► AC-voltage, maximum 500V direct, or via VT
- ► DC-voltage, maximum 600V

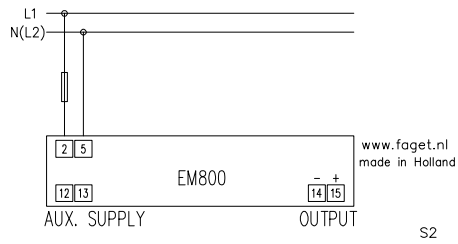
Output

- ► 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 : S2 up to S2-3.
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	58Vac to 500Vac
	24Vdc to 600Vdc
Nominal frequency	45..50..60..65Hz
on request	16⅔Hz, 400Hz, DC
Overload	1,2xUn continue
	2xUn / 10sec.
Power consumption	<500µA (per phase)

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
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)