# EM800-I

## COMPACT-transducer EM800-I

### Transducer for current True RMS

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

**Input**

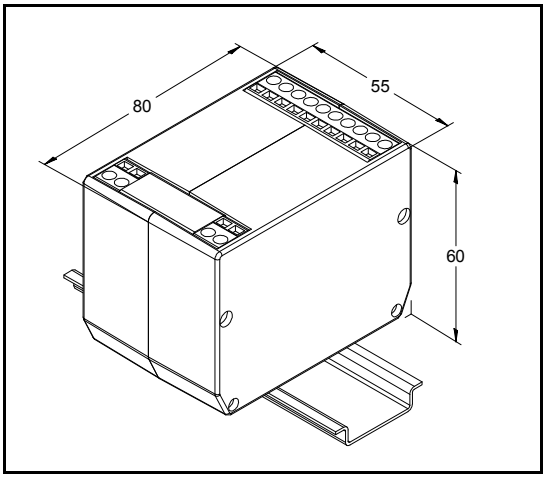
- ► DC, sinusoidal-AC or distorted-AC (True RMS)
- ► AC current, nominal up to 6A direct or via CT
- ► DC current, nominal value up to 6A direct or via shunt

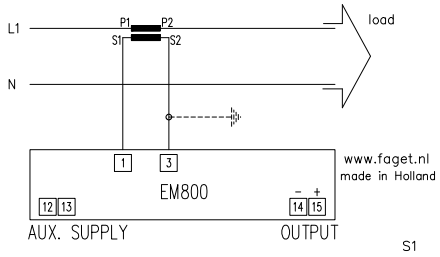
**Output**

- ► 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 diagram : S1 or S9-5.*
*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 current | 1A or 5A (6A max) |
| Nominal frequency | 45..50..60..65Hz |
| on request | 16⅔Hz, 400Hz, DC |
| Overload | 1,2xIn continue |
| | 50xIn / 1sec. |
| Power consumption | 0,4VA per phase |

| Output | |
|---|---|
| Current output | 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) |