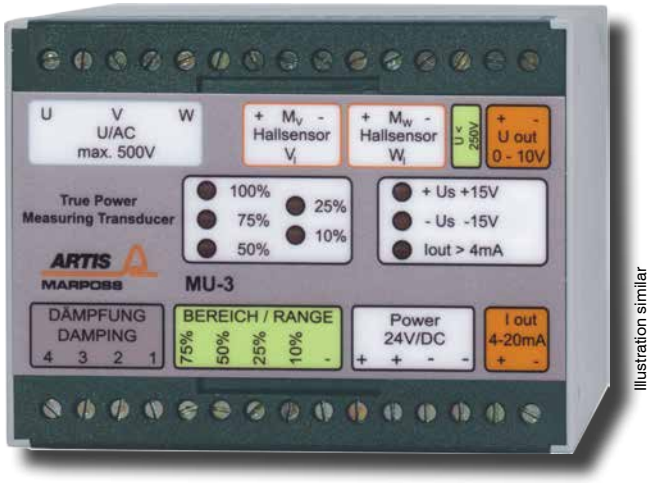
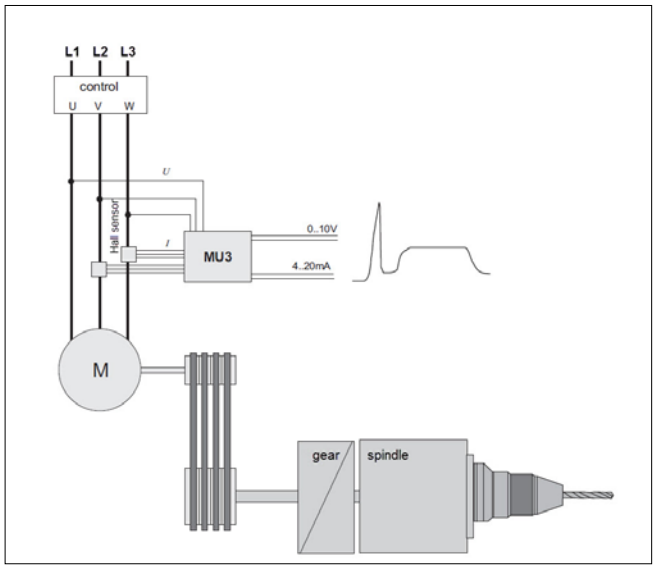



Illustration similar

# *TRUE POWER MEASURING TRANSDUCER*




## *Special Features*

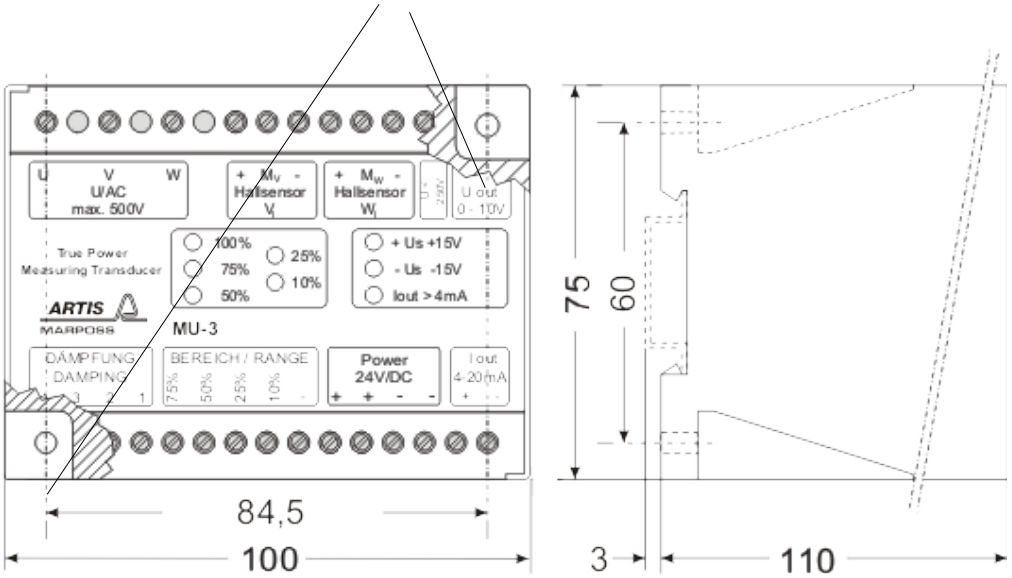
- For pulse width modulated DC-drives
- For regulated and unregulated AC-drives
- Voltage metering up to 500 V AC
- Current measurement with Hall sensors

Based on the measuring values for voltage U, current I and phase angle cosφ, the measuring transducer MU-3 calculates the effective true power taken up from the motor according to the formula: P = U x I x cosφ* √3.

# *True power measuring transducer*

## *MU-3*

2 mounting holes Ø 4,5mm




| | **MU-3 O830Z710306** |
|---|---|
| Dimensions | see drawing |
| Weight | 380 g |
| Material | Makrolon |
| Degree of protection | IP20 |
| Contacting | screw terminals |
| Operating temperature | 0 – 50 °C |
| Rel. humidity | 5 – 85 % without condensation |
| Mounting | • standard mounting rail acc. to DIN EN 60715<br>• screw connection |
| Voltage supply | 24 V DC (20 – 35 V), stabilized, max. 5 % ripple |
| Nominal current consumption | max. 250 mA |
| Gain | 5 different gains; selectable via external switching inputs |
| Damping | adjustable in 5 steps from 0 – 4, selectable via external switching inputs |
| Frequency range | no damping: 48 Hz<br>damping 1: 0..10 Hz<br>damping 2: 0..4.4 Hz<br>damping 3: 0..2.2 Hz<br>damping 4: 0..1.2 Hz |

| | |
|---|---|
| Measuring inputs<br>AC – voltage | 3 x 500 V AC (RMS), AC-net |
| AC – current | using 2 Hall sensores:<br>Typ LA205S bis 200 A<br>Typ CT-100 bis 100 A |
| DC – voltage | max. 500 V |
| DC – current | 1 Hall sensor:<br>Type LA205S up to 200 A<br>Type CT-100 up to 100 A |
| Analog voltage signal | 0 – 10 V |
| Analog current signal | 4 – 20 mA |
| Calibration | 500 V (RMS), 100 A (1:1000), cos(φ= 0° )= 10 V or 20 mA |
| Supported ARTIS Hall sensors | LA205-2 and CT-100 |
| Conformity | CE |

***For a full list of address locations, please consult the Marposs official website***

**ODN6420EN01** – *Edition 01/2018 – Specifications are subject to modifications*


***Marposs has an integrated system to manage the Company quality, the environment and safety, attested by ISO 9001, ISO 14001 and OHSAS 18001 certifications. Marposs has further been qualified EAQF 94 and has obtained the Q1 Award.***

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