

LA205S HALL-SENSOR

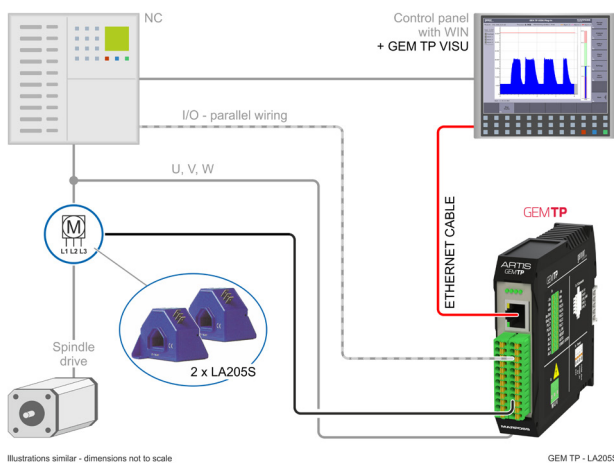
Properties

- Hall effect compensation converter for currents up to 200 A
- Excellent measuring accuracy
- Very good linearity
- Small temperature drift
- No supplementary load loss
- Low susceptibility to failure caused by external magnetic fields
- Galvanic separation



Illustration similar

Application example



LA205S and GEMTP with GEM TP VISU Software (via ICP10 in this example) in a stand-alone application for detecting process anomalies during metal cutting in machine tools.

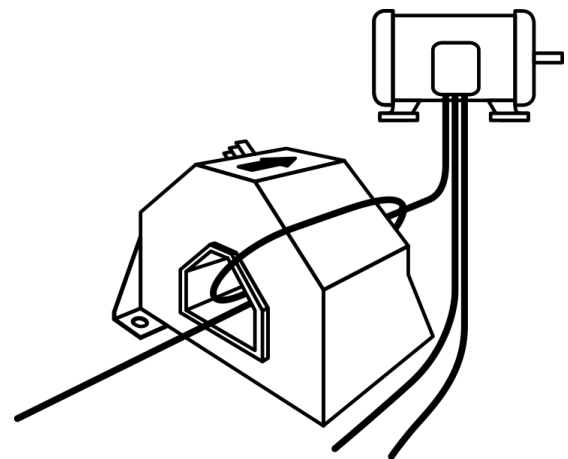
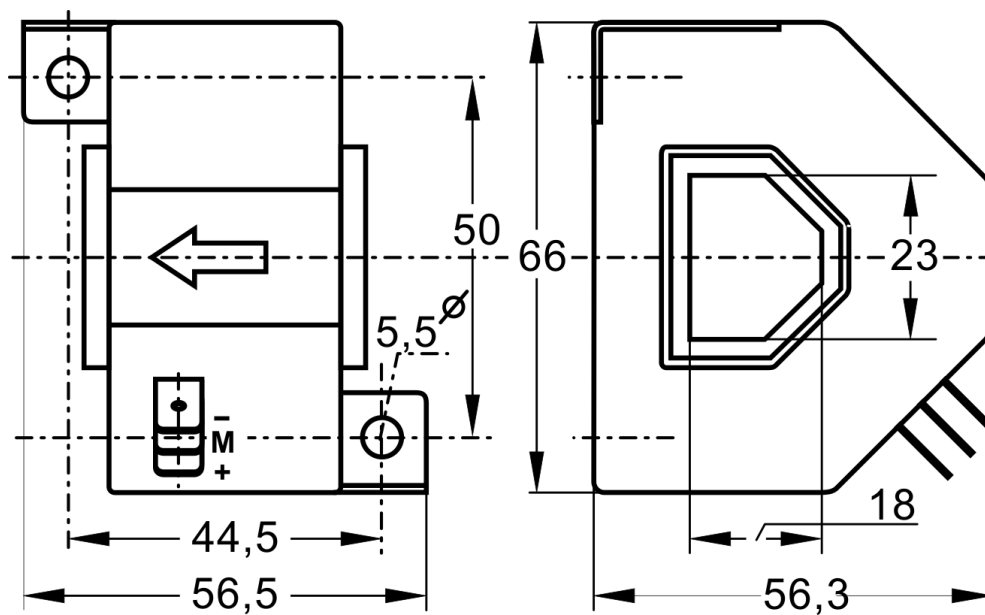


Illustration similar

The sensor is designed for currents up to 200 A.

In case of considerably lower maximum current values, the cable is looped through the hole in the middle of the sensor several times. This results in an increase of the current maximum value.



ARTICLE NUMBER	
CODE	O3PZ0311011
DIMENSIONS	
WEIGHT	see drawing
MATERIAL	0.110 kg
DEGREE OF PROTECTION	Plastic cast
FLAMMABILITY CLASS	IP20
INSTALLATION	VO (UL94)
STORAGE TEMPERATURE	Screw connection, mounting brackets
OPERATING TEMPERATURE	-40 °C ... +90 °C
CONTACTING	-10 °C ... +85 °C
VOLTAGE SUPPLY	Flat plug (Faston) 6.3 x 0.8 mm
POWER CONSUMPTION	±12 V ... 15 V
TRANSMISSION RATIO	20 mA (±15 V) + secondary nominal current
	1:2000

EFFECTIVE PRIMARY NOMINAL CURRENT	200 A
PRIMARY CURRENT, MEASURING RANGE	0 ... ±300 A
EFFECTIVE SECONDARY NOMINAL CURRENT	100 mA
MAX. MEASURABLE OVERLOAD <i>(max. 3 Min/h. @VC=±15 V, RM = 5)</i>	600 A
FREQUENCY RANGE (-3dB)	DC up to 100 kHz
LINEARITY	< 0.1 %
INTEGRATION TIME	< 1 μs
RESPONSE TIME	500 ns
ACCURACY AT + 25 °C	± 0.8 %
SCOPE OF DELIVERY	Sensor
CONFORMITY	CE, UKCA



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

ODN6398EN02 - Edition 04/2025 - Specifications are subject to modifications
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