

## CT-100, CT-300 HALL SENSORS

### Properties

- Excellent measuring accuracy
- Very good linearity
- No supplementary load loss
- Galvanic separation
- Easy to install

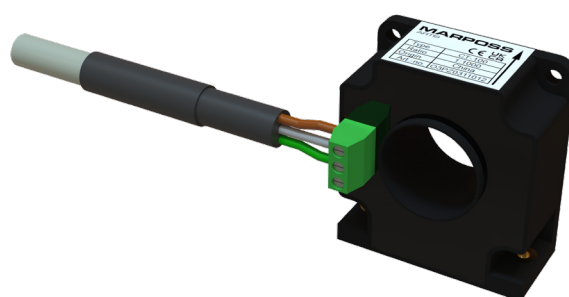


Illustration similar

### Application example

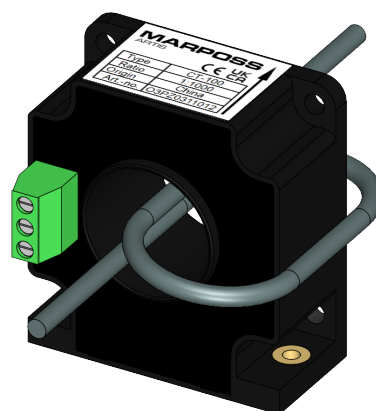
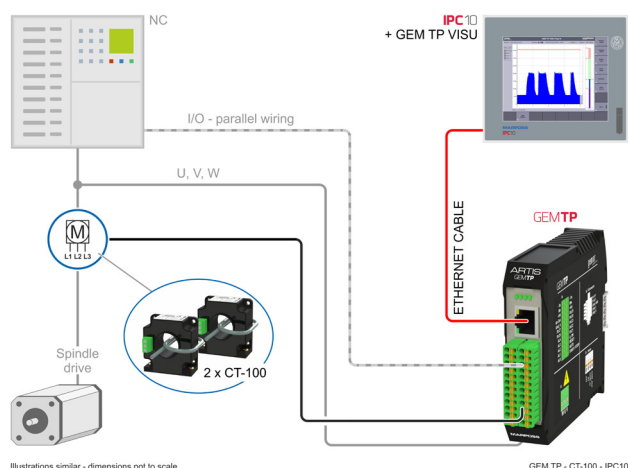
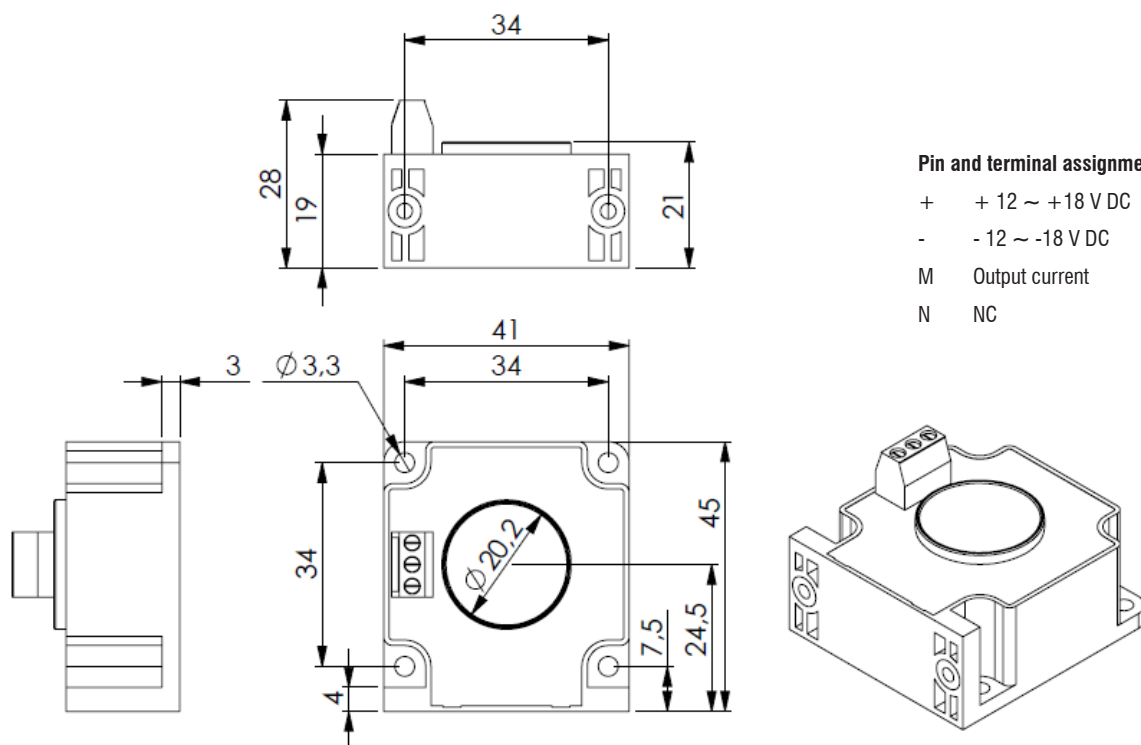


Illustration similar

The CT-100 sensor is designed for currents up to 100 A, the CT-300 for currents up to 300 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.



#### Pin and terminal assignment

+	+ 12 ~ +18 V DC
-	- 12 ~ -18 V DC
M	Output current
N	NC

ARTICLE NUMBER	
CT-100	O3PZ0311012
CT-300	O3PZ0311014

DIMENSIONS	see drawing
WEIGHT	0.170 kg
MATERIAL	Plastic cast, insulating
DEGREE OF PROTECTION	IP20
UL-CLASSIFICATION	VO (UL94)
INSTALLATION	Mounting on standard mounting rail acc. to DIN EN 60715
STORAGE TEMPERATURE	-40 °C ... +90 °C
AMBIENT TEMPERATURE	-10 °C ... +85 °C
CONTACTING	Screw terminals

VOLTAGE SUPPLY	±12 V ... 18 V
POWER CONSUMPTION	20 mA (±15 V) + IS

	CT-100	CT-300
TRANSMISSION RATIO	1:1000	1:3000
EFFECTIVE PRIMARY NOMINAL CURRENT	100 A	300 A
PRIMARY CURRENT, MEASURING RANGE	200 A	600 A
EFFECTIVE SECONDARY NOMINAL CURRENT	100 mA	100 mA
MAX. MEASURABLE OVERLOAD (max. 3 min/h. @VC=±15 V, RM = 5)	300 A	900 A
FREQUENCY RANGE -3DB	DC to 100 kHz	
LINEARITY	≤ 0.1 % FS	
INTEGRATION TIME	< 1 μs	
RESPONSE TIME	500 ns	
ACCURACY AT + 25 °C	± 1 %	
SCOPE OF DELIVERY	Sensor incl. connecting cable (3 m)	
CONFORMITY	CE, UKCA	



www.marposs.com

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

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