MARPOSS
ARTIS
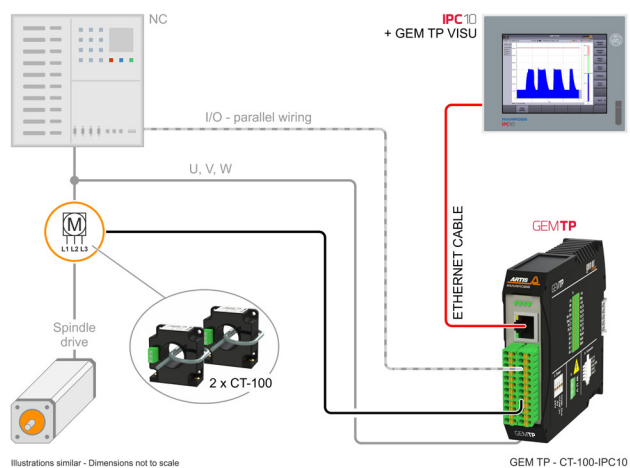
Properties

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

Illustration similar

Application example

NC

IPC10
+ GEM TP VISU

I/O - parallel wiring

U, V, W

ETHERNET CABLE

GEM**TP**

Spindle drive

2 x CT-100

Illustrations similar - Dimensions not to scale

GEM TP - CT-100-IPC10

Stand-alone operation: Two CT-100 sensors and GEM**TP** monitoring module with GEM TP VISU software (here via ICP10) for detecting process anomalies during metal cutting in machine tools.
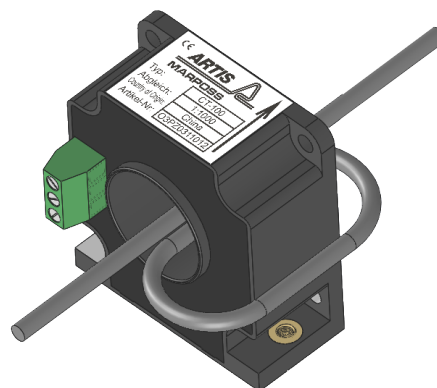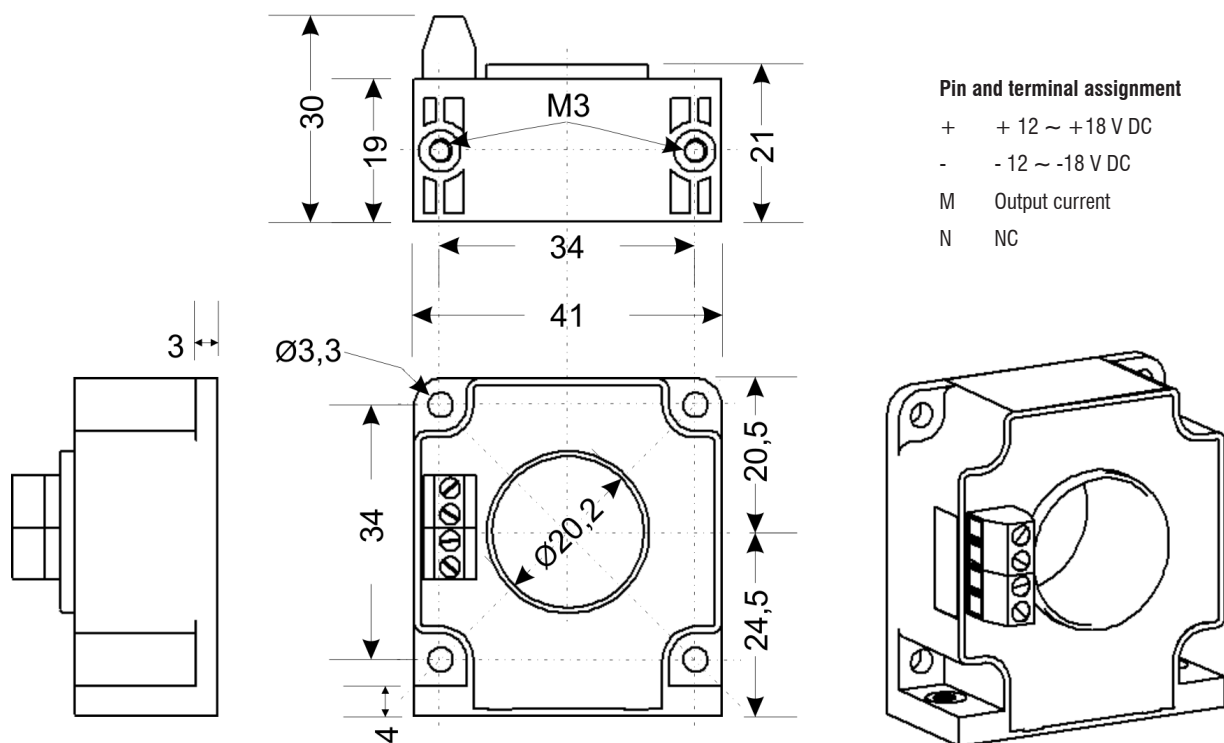
Illustration similar

The sensor is designed for currents up to 100 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	
CODE	O3PZ0311012

DIMENSIONS	see drawing
WEIGTH	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
TRANSMISSION RATIO	1:1000

EFFECTIVE PRIMARY NOMINAL CURRENT	100 A
PRIMARY CURRENT, MEASURING RANGE	200 A
EFFECTIVE SECONDARY NOMINAL CURRENT	100 mA
MAX. MEASURABLE OVERLOAD (max. 3 min/h. @VC=±15 V, RM = 5)	300 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	CT-100
	connecting cable (length 3 m)
CONFORMITY	CE, UKCA