AM-01 overview

TOOL & PROCESS MONITORING
GENIOR MODULAR UNIT FOR ACOUSTIC EMISSION SENSORS

Main Features

- Component of the tool and process monitoring system GENIOR MODULAR
- 1 sensor input
- 12.5 kHz ... 250 kHz frequency range
- 630 kHz sampling rate
- 16 bit resolution
- Transmission of measuring data via ARTIS CAN bus
- Simple installation in the electrical cabinet

Applications

- Monitoring of shank tools in multi-spindle heads
- Breakage monitoring of small drills in large drilling spindles

GEM-CPU-02-DP/F base module with AM-01 GENIOR MODULAR unit for acoustic emission sensors
Tool & Process Monitoring

GENIOR MODULAR Unit for Acoustic Emission Sensors

AM-01

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**Dimensions**
see drawing

**Mounting**
Mounting rail according to
DIN EN 60715

**Weight**
172 g

**Material**
Polyamide PA6.6

**Flammability class**
VO (UL94)

**Storage temperature**
-20 °C...+60 °C

**Operating temperature**
0 °C...+50 °C

**Rel. humidity**
5 – 85 %
without condensation

**Degree of protection**
IP20

**Contacting**
Spring terminal, in-rail bus connector

**Voltage supply**
24 V DC ± 20 % max. 5 % ripple
(via in-rail bus connector)

**Output current**
4 mA

**Nominal current consumption**
max. 200 mA

**Interface**
ARTIS CAN bus

**Resolution**
16 bit

**Measuring input**
ARTIS sensors AE-x
(constant current 4 mA)

**Frequency range**
12.5 kHz...250 kHz

**Sampling rate**
630 kHz

**Switching output 1 / 2**
Opto coupler (reserve)

**Comformity**
CE

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

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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 EAQP 94 and has obtained the Q1 Award.