

STRAIN SENSOR DA FOR GEMCMS

Properties

- Piezoelectric strain sensor with very high sensitivity for measuring the surface strain of structures
- Optimal for collision monitoring with the system GEMCMS
- Two protective tube variants available
- Different cable lengths available
- Degree of protection IP65

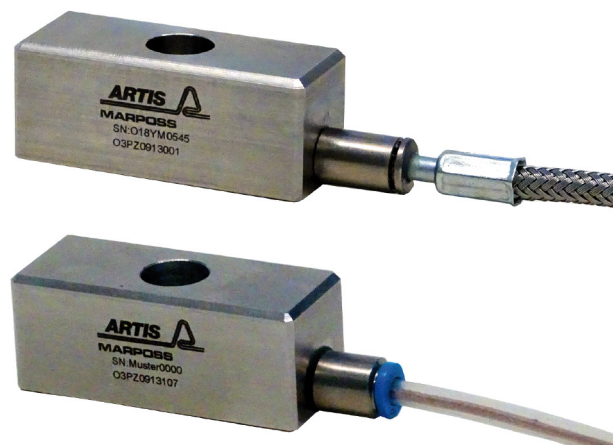
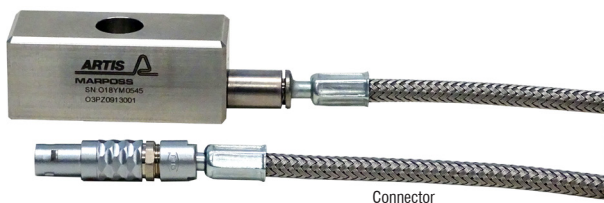


Illustration similar

PIEZOELECTRIC STRAIN SENSOR FOR DETECTING COLLISION EVENTS IN MACHINE TOOLS



Connector

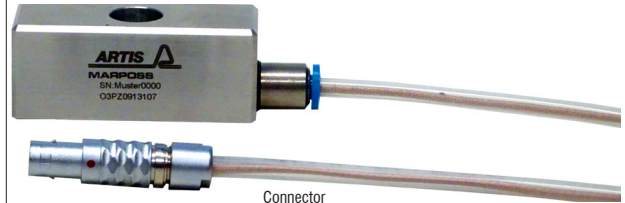
Illustration similar

Strain sensor DA for GEMCMS

- with steel netting mesh tube
- with ODU 3 pole plug or mini coax plug (for external amplifier), mounted
- installation kit included



- or Mini Coax connector (for external amplifier), ready mounted



Connector

Illustration similar

Strain sensor DA for GEMCMS

- with polyamide tube (Tecalan)
- with ODU 3 pole plug or mini coax plug (for external amplifier), mounted
- installation kit included



- or Mini Coax connector (for external amplifier), ready mounted

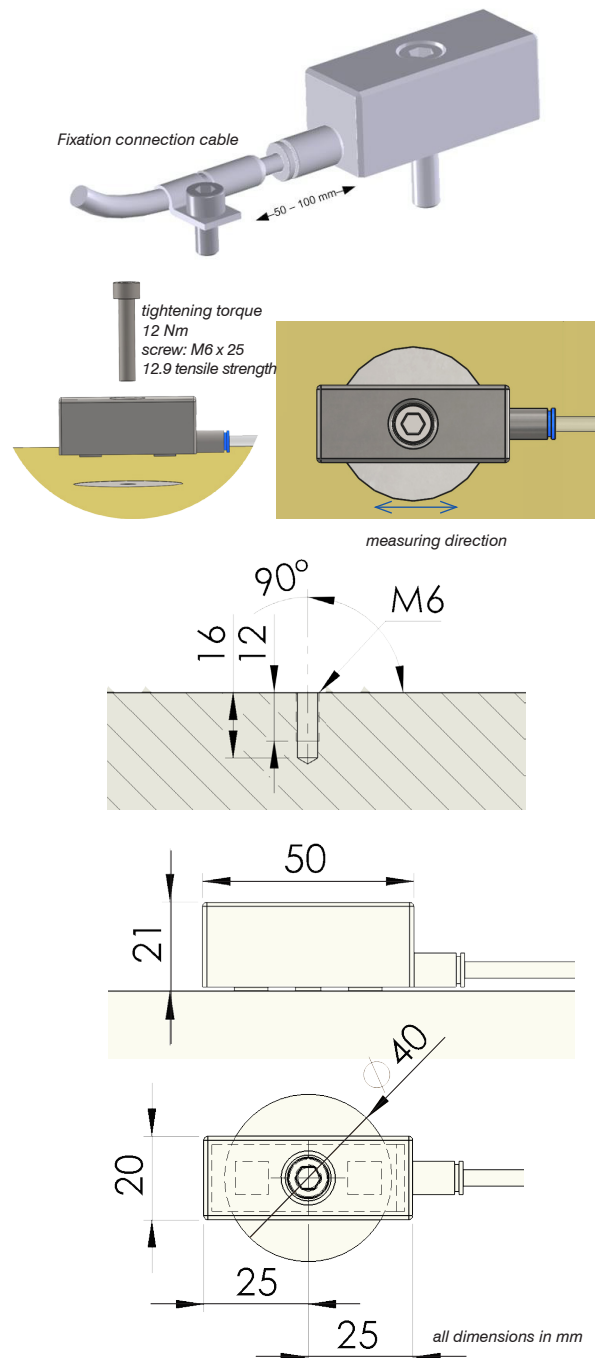
ARTICLE NUMBERS		
VARIANTS WITH STEEL NETTING MESH TUBE		
	15 M	O3PZ0913108
	20 M	O3PZ0913112
	FOR EXT. AMPLIFIER 10 M	O3PZ0913110
VARIANTS WITH POLYAMIDE TUBE (TECALAN)		
	15 M	O3PZ0913107
	20 M	O3PZ0913111
	FOR EXT. AMPLIFIER 10 M	O3PZ0913109

DIMENSIONS	
DIMENSIONS	(l x w x h)
SENSOR ONLY	50 x 20 x 21 mm
SENSOR WITH CONNECTION	83 x 20 x 21 mm

CONNECTIONS	
CONNECTOR DIAMETER	9 mm
CONNECTOR LENGHT	
CONNECTOR ONLY	35 mm
CONNECTOR WITH CONNECTION	51 mm
WEIGHTH	~ 120 g plus cable
MATERIAL	stainless steel
CABLE DIAMETER	
STEEL NETTING MESH TUBE	5.25 mm, bending radius 150 mm
POLYAMIDE TUBE	4 mm, bending radius 15 mm

INSTALLATION AND OPERATION	
CONTACTING	Spring terminals, screw terminals
TIGHTENING TORQUE	12 Nm
OPERATING TEMPERATURE	0 °C ... + 60 °C
DEGREE OF PROTECTION	IP65 (if correctly assembled acc. to ARTIS guidelines)
MEASURING RANGE	+/- 300 µε (typical)
SENSITIVITY	2000 pC/µε (typical)
CONFORMITY	CE, UKCA

Sensor mounting instructions



www.marposs.com

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

ODN6403EN03 - Edition 07/2021 - Specifications are subject to modifications
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