

Overview

PIEZOELETRIC STRAIN SENSOR FOR DETECTING COLLISION EVENTS IN MACHINE TOOLS

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











ARTICLE NUMBERS			
VARIANTS WITH			
STEEL NETTING MESH TUBE	15 M	03PZ0913108	
	20 M	03PZ0913112	
FOR EXT. AMPLIFIER	10 M	03PZ0913110	
VARIANTS WITH (PUR)	15 M	03PZ0913107	
POLYURETHANE TUBE	20 M	03PZ0913111	
FOR EXT. AMPLIFIER	10 M	03PZ0913109	

DIMENSIONS

BINEROIONO	
DIMENSIONS	(L x W x H)
SENSOR ONLY	50 x 20 x 21 mm
SENSOR WITH CONNECTOR	83 x 20 x 21 mm

SENSOR AND CONNECTOR SENSOR WEIGHT ~ 120 g (without cable) SENSOR MATERIAL stainless steel CONNECTOR DIAMETER 9 mm LENGTH, CONNECTOR ONLY 35 mm LENGTH, WITH COUPLING 51 mm

CABLE DIAMETER	
Ø CABLE WITH	< 5.25 mm
STEEL NETTING MESH	
Ø CABLE WITH	4 mm
PUR SHEATING	

BENDING RADIUS	
STATIC	10 x outer diameter
DYNAMIC	15 x outer diameter

INSTALLATION AND OPERATION		
CONTACTING	Plug connection	
SURFACE REQUIREMENTS	Ra 1,6 , flatness 0,05	
TIGHTENING TORQUE	12 Nm (M6 x 25)	
OPERATING TEMPERATURE	0 °C + 60 °C	
DEGREE OF PROTECTION	IP65	
	(only if correctly assembled acc. to ARTIS guidelines)	
MEASURING RANGE	+/- 300 με (typical)	
SENSITIVITY	2000 pC/με (typical)	
CONFORMITY	CE, UKCA	

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

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