Displacement encoder
MME-MTS-500-TLF-AIF

Part number: 178306



Data sheet

Feature	Value
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Measuring principle of linear potentiometer	digital
Ambient temperature	-40 °C...75 °C
Max. travel speed	10 m/s
Max. travel acceleration	200 m/s²
Displacement resolution	0.01 mm
Independent linearity	0.02% At least ± 50 µm
Temperature coefficient	15 ppm/K
Stroke	500 mm
Output signal	CAN protocol type SPC-AIF
Nominal operating voltage DC	24 V
Permissible voltage fluctuations	-15% / +20%
Max. current consumption	90 mA
Electrical connection	6-pin Plug As per DIN 45322 Round design
Structural design	Closed profile With sliding carriage
Coupling parallel quick coupling	± 1.5 mm
Moment compensator angular offset	±1°
Mounting position	Any
Product weight	950 g
Housing material	Wrought aluminum alloy Anodized
Slide carriage housing material	PBT-reinforced Permanent Magnet
Slide carriage coupling material	Steel
Cover material	Die-cast aluminum Painted

Feature	Value
Material of assembly brackets	PEI
Degree of protection	IP65 As per IEC 60529
Vibration resistance to DIN/IEC 68 Part 2-6	Tested as per severity level 1
Continuous shock resistance to DIN/IEC 68 Part 2-82	Tested as per severity level 1
LABS (PWIS) conformity	VDMA24364-B2-L