

Displacement encoder MME-MTS-500-TLF-AIF

Part number: 178306

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Functional principle of measuring system	Digital
Ambient temperature	-40 °C ... 75 °C
Max. travel speed	10 m/s
Max. travel acceleration	200 m/s ²
Displacement resolution	<0.01 mm
Non-dependent linearity	0.02% Min. ± 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 Plugs To DIN 45322 Round design
Design	Closed profile With moving slide
Parallel offset of coupling	± 1.5 mm
Angle offset of driver	± 1 °
Mounting position	optional
Product weight	950 g
Material housing	Anodised
Material slide housing	PBT-reinforced Permanent magnet
Material slide coupling	Steel
Material cover	Die-cast aluminium Painted
Material mounting clips	PEI
Degree of protection	IP65 To IEC 60529
Vibration resistance to DIN/IEC 68 Part 2-6	Tested according to severity level 1
Continuous shock resistance to DIN/IEC 68 Part 2-82	Tested according to severity level 1

Feature	Value
LABS (PWIS) conformity	VDMA24364-B2-L