

# displacement encoder

## MME-MTS-300-TLF-AIF

Part number: 178309

FESTO

With absolute displacement encoder, 300 mm effective electrical displacement, for axis controller type SPC-200



## Data sheet

Feature	Value
CE mark (see declaration of conformity)	to EU directive for EMC in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Measuring method: displacement encoder	Digital
Ambient temperature	-40 ... 75 °C
Max. travel speed	10 m/s
Max. travel acceleration	200 m/s <sup>2</sup>
Travel resolution	< 0.01 mm
Independent linearity	0,02 % At least ± 50 µm
Temperature coefficient	15 ppm/K
Stroke	300 mm
Output signal	CAN protocol, type SPC-AIF
Nominal operating voltage DC	24 V
Permissible voltage fluctuation	-15 % / +20 %
Max. current consumption	90 mA
Electrical connection	6-pin Plug Per DIN 45322 Round design
Design structure	Closed profile With slide
Parallel offset, coupling	± 1,5 mm
Angle offset, driver	± 1 °
Assembly position	Any
Product weight	710 g
Material housing	Wrought Aluminium alloy Anodised
Material of sliding carriage housing	PBT-reinforced Permanent magnet
Material of sliding carriage coupling	Steel
Material cover	Aluminium die cast Painted
Material of assembly brackets	PEI
Protection class	IP65 to IEC 60529
Vibration resistance per DIN/IEC 68, parts 2 - 6	Tested in accordance with severity level 1
Continuous shock resistance per DIN/IEC 68, parts 2 - 82	Tested in accordance with severity level 1
PWIS conformity	VDMA24364-B2-L