

# Displacement encoder

## MME-MTS-1750-TLF-AIF

Part number: 178300

FESTO

With absolute displacement encoder, 1750 mm effective electrical displacement, for axis controller type SPC-200



## Data sheet

Feature	Value
CE symbol (see declaration of conformity)	according to EU-EMV guideline 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	1,750 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, actuator	± 1 °
Assembly position	Any
Product weight	2,450 g
Material housing	Wrought Aluminum alloy Anodized
Material of sliding carriage housing	PBT-reinforced Permanent magnet
Material of sliding carriage coupling	Steel
Material cover	Aluminum 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