

# Displacement encoder MLO-POT-1000-TLF

Part number: 152632

FESTO



## Data sheet

Feature	Value
Type code	MLO
CE marking (see declaration of conformity)	As per EU EMC directive
Measuring principle of linear potentiometer	Analog
Ambient temperature	-30 °C ... 100 °C
Recommended contact current	<1 µA
Max. short-time slider current	10000 µA
Max. travel speed	10 m/s
Max. travel acceleration	200 m/s <sup>2</sup>
Displacement resolution	0.01 mm
Independent linearity	0.04 %
Temperature coefficient	5 ppm/K
Stroke	1000 mm
Output signal	Analog
Connection resistance	10 kOhm
Connection resistance tolerance	20 %
Nominal operating voltage DC	10 V
Max. operating voltage DC	42 V
Permissible voltage fluctuations	< 1 %
Max. current consumption	4 mA
Electrical connection	4-pin Form A Plug as per DIN 43650 Rectangular design
Structural design	with cover strip with sliding carriage Open profile
Coupling parallel quick coupling	± 1.5 mm
Moment compensator angular offset	± 1 °
Mounting position	Any
Product weight	2200 g
Housing material	Wrought aluminum alloy Anodized
Covering material	Steel
Slide carriage housing material	Die-cast aluminum Polymer
Slide carriage coupling material	Steel
Cover material	Polymer

<b>Feature</b>	<b>Value</b>
Material of assembly brackets	PEI
Degree of protection at top	as per IEC 60529
Bottom degree of protection	as per IEC 60529
Vibration resistance to DIN/IEC 68 Part 2-6	Tested as per severity level 2
Continuous shock resistance to DIN/IEC 68 Part 2-82	Tested as per severity level 2