

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 ²
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	as per DIN 43650 Rectangular design Plug 4-pin Form A
Design	with sliding carriage with cover strip Open profile
Coupling parallel quick coupling	± 1.5 mm
Moment compensator angular offset	± 1 °
Mounting position	Any
Product weight	2200 g
Housing material	Anodized Wrought aluminum alloy
Covering material	Steel
Slide carriage housing material	Polymer Die-cast aluminum
Slide carriage coupling material	Steel
Cover material	Polymer

Feature	Value
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