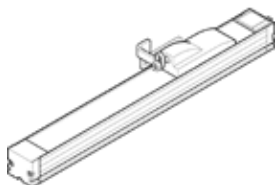


# displacement encoder MLO-POT-500-TLF

Part number: 152629

FESTO



## Data sheet

Feature	Value
CE mark (see declaration of conformity)	to EU directive for EMC
Measuring method: displacement encoder	Analogue
Ambient temperature	-30 ... 100 °C
Recommended wiper current	< 1 µA
Max. intermittent wiper current	10 mA
Max. travel speed	10 m/s
Max. travel acceleration	200 m/s <sup>2</sup>
Travel resolution	0.01 mm
Independent linearity	0,05 %
Temperature coefficient	5 ppm/K
Stroke	500 mm
Output signal	Analogue
Connection resistance	5 kOhm
Connection resistance tolerance	20 %
Nominal operating voltage DC	10 V
Max. operating voltage, DC	42 V
Permissible voltage fluctuation	< 1 %
Max. current consumption	4 mA
Electrical connection	4-pin Plug pattern type A to EN 175301-803 Plug to DIN 43650 Cubic design
Design structure	With cover strip With slide Open profile
Parallel offset, coupling	± 1,5 mm
Angle offset, driver	± 1 °
Assembly position	Any
Product weight	1,300 g
Material housing	Wrought Aluminium alloy Anodised
Material of cover	Steel
Material of sliding carriage housing	Aluminium die cast Plastic
Material of sliding carriage coupling	Steel
Material cover	Plastic
Material of assembly brackets	PEI
Protection from above	to IEC 60529
Protection from underneath	to IEC 60529
Vibration resistance per DIN/IEC 68, parts 2 - 6	Tested in accordance with severity level 2
Continuous shock resistance per DIN/IEC 68, parts 2 - 82	Tested in accordance with severity level 2
PWIS conformity	VDMA24364-B2-L