

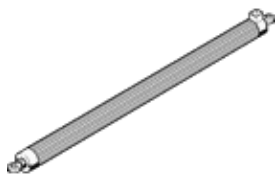
# displacement encoder

## MLO-POT-450-LWG

Part number: 152648

FESTO

With absolute displacement encoder, 450 mm effective electrical displacement, for axis controller type SPC-100



## 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	5 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	450 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	16 mm 4-pin Plug Cubic design
Design structure	Round profile With connecting rod
Angle offset, driver	± 12,5 °
Assembly position	Any
Product weight	900 g
Material housing	Wrought Aluminium alloy Anodised
Material cover	PBT-reinforced
Material of connecting rod	High alloy steel, non-corrosive
Material of bearing seal	NBR
Material of rod seal	PTFE
Protection class	IP65 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