

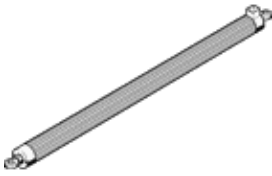
# Displacement encoder

## MLO-POT-300-LWG

Part number: 152646

FESTO

With absolute displacement encoder, 300 mm effective electrical displacement, for axis controller type SPC-100



### Data sheet

Feature	Value
CE symbol (see declaration of conformity)	according to EU-EMV guideline
Measuring method: displacement encoder	Analog
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	0,06 %
Temperature coefficient	5 ppm/K
Stroke	300 mm
Output signal	Analog
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, actuator	± 12,5 °
Assembly position	Any
Product weight	800 g
Material housing	Wrought Aluminum alloy Anodized
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