Displacement encoder MLO-POT-750-LWG

Part number: 152651

Data sheet

Feature	Value
CE mark (see declaration of conformity)	To EU EMC Directive
Functional principle of measuring system	Analogue
Ambient temperature	-30 °C...100 °C
Recommended wiper current	1 µA
Max. wiper current, short-time	10000000000000 mA
Max. travel speed	5 m/s
Max. travel acceleration	200 m/s²
Displacement resolution	0.01 mm
Non-dependent linearity	0.04%
Temperature coefficient	5 ppm/K
Stroke	750 mm
Output signal	Analogue
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	16 mm 4-pin Plugs Square design
Design	Round profile With connecting rod
Angle offset of driver	± 12.5°
Mounting position	optional
Product weight	1900 g
Material housing	Wrought aluminium alloy Anodised
Material cover	PBT-reinforced
Material connecting rod	High-alloy stainless steel
Material bearing seal	NBR
Material rod seal	PTFE

Feature	Value
Degree of protection	IP65 To IEC 60529
Vibration resistance to DIN/IEC 68 Part 2-6	Tested to severity level 2
Continuous shock resistance to DIN/IEC 68 Part 2-82	Tested to severity level 2
LABS (PWIS) conformity	VDMA24364-B2-L