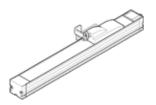
displacement encoder MLO-POT-1000-TLF Part number: 152632





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/s2
Travel resolution	0.01 mm
Independent linearity	0,04 %
Temperature coefficient	5 ppm/K
Stroke	1,000 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 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	2,200 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