Displacement encoder
MME-MTS-1750-TLF-AIF

Part number: 178300



Data sheet

Feature	Value
Type code	MME
CE marking (see declaration of conformity)	As per EU EMC directive
Measuring principle of linear potentiometer	Digital
Ambient temperature	-40 °C ... 75 °C
Max. travel speed	10 m/s
Max. travel acceleration	200 m/s²
Displacement resolution	‹0.01 mm
Independent linearity	0.02 % At least ± 50µm
Temperature coefficient	15 ppm/K
Stroke	1750 mm
Output signal	CAN protocol type SPC-AIF
Nominal operating voltage DC	24 V
Permissible voltage fluctuations	-15 % / +20 %
Max. current consumption	90 mA
Electrical connection	6-pin Plug as per DIN 45322 Round design
Design	Closed profile with sliding carriage
Coupling parallel quick coupling	± 1.5 mm
Moment compensator angular offset	± 1 °
Mounting position	Any
Product weight	2450 g
Housing material	Wrought aluminum alloy Anodized
Slide carriage housing material	PBT-reinforced Permanent magnet
Slide carriage coupling material	Steel
Cover material	Die-cast aluminum Painted
Material of assembly brackets	PEI
Degree of protection	IP65 as per IEC 60529
Vibration resistance to DIN/IEC 68 Part 2-6	Tested as per severity level 1
Continuous shock resistance to DIN/IEC 68 Part 2-82	Tested as per severity level 1