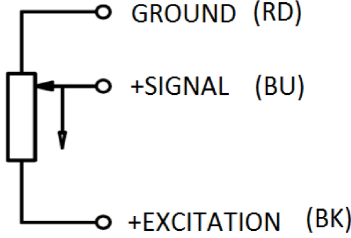


SPECIFICATIONS

TOTAL MECHANICAL TRAVEL:	123 mm
TOTAL MEASURING RANGE:	123 mm
PRE/POST TRAVEL:	0 mm
OPERATING SPEED:	max 20 m/s
TOTAL RESISTANCE:	1000 Ohms \pm 20 %
MAX. APPLIED VOLTAGE:	42 V DC
RECOMMENDED WIPER CURRENT:	< 1 μ A
INTERFACE:	VOLTAGE DIVIDER
RESOLUTION:	INFINITE
OPERATING TEMPERATURE:	+ 10 °C to + 30 °C
INDIPENDENT LINEARITY:	< \pm 1 %
WEIGHT:	155 g \pm 10 g (LESS CABLES)
HYSTERESIS:	< 1 %
REPEATABILITY:	< 0,1 mm
OPERATING LIFE:	ONE BILLION OPERATIONS
SHOCK RESISTANCE:	200 g

PIN DESIGNATION



VOLTAGE DIVIDER FREE OF LOAD!
COLOUR ABBREVIATIONS ACCORDING TO VDE AND IEC 60757

THE S-TRACK IS AN LINEAR POTENTIOMETRIC DISPLACEMENT TRANSDUCER

All values specified in this data sheet for linearity and lifetime are only valid for a sensor used as a voltage divider with virtually no load applied to the wiper ($I_e < 1 \mu A$)

Oberflächenbehandlung:		Wärmebehandlung:			
Oberflächenangaben ISO 1302	$\checkmark = \sqrt{Rz 100}$	$\checkmark = \sqrt{Rz 63}$	$\checkmark = \sqrt{Rz 25}$	$\checkmark = \sqrt{Rz 16}$	$\checkmark = \sqrt{Rz 6,3}$
Allgemeintoleranzen DIN ISO 2768-mK		Material:	Halbzeug:	Datum	Name
Projektionsmethode 1 Schutzvermerk DIN ISO 16016 beachten		material:	semi finished product:	gez. 14.11.2016	C. Szingsnis
Bohrungen und Gewinde ohne angeben: $\sqrt{Rz 63}$ $\varnothing 0,2$		Gewicht (g):	145,48	gepr. 17.11.2016	S. Trippel
Passungen und Passbohrungen ohne angeben: $\sqrt{Rz 6,3}$ $\varnothing 0,02$		Benennung: description:			
		S-TRACK THOR-M Abdomen 20_301			
		Blatt-Nr./Anzahl	Zeichnungs-Nr.	<p>ATD-Labtech GmbH Dreispitze 2 63867 Johannesberg</p>	
		1 / 1	B04_001_006		
01	wire colours according to ICE 60757 weight tolerance +/- 10g	20.04.2017	C. Szingsnis	letzte Speicherung durch: Christoph.Szingsnis	
Index	Änderungen	Datum	Name	R:\CAD\B04_S-TRACK\B04_001_006_S-TRACK_THOR-M-Abdomen	