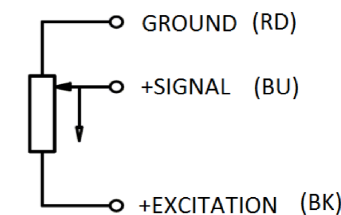


**SPECIFICATIONS**

TOTAL MECHANICAL TRAVEL:	122° (ROTATION A) 80° (ROTATION B)
TOTAL MEASURING RANGE:	122° (ROTATION A) 80° (ROTATION B)
PRE/POST TRAVEL:	0°
OPERATING SPEED:	max 3600 °/s
TOTAL RESISTANCE:	5000 Ohms ± 20 %
MAX. APPLIED VOLTAGE:	42 V DC
RECOMMENDED WIPER CURRENT:	< 1 mA
INTERFACE:	VOLTAGE DIVIDER
RESOLUTION:	INFINITE
OPERATING TEMPERATURE:	+ 10 °C to + 30 °C
INDIPENDENT LINEARITY:	< ± 1,0 %
WEIGHT:	30 g ± 10 g (LESS CABLES)
HYSTERESIS:	< 1 %
REPEATABILITY:	< 0,1°
OPERATING LIFE:	30 MILLION OPERATIONS
SHOCK RESISTANCE:	200 g

**PIN DESIGNATION POT A + POT B**



**VOLTAGE DIVIDER FREE OF LOAD!**

COLOUR ABBREVIATIONS ACCORDING TO VDE AND IEC 60757

**THE 3D-ADAPTION THOR-50th LOWER THORAX RIGHT IS AN ROTATION 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	$\sqrt{\text{Rz 100}}$	$\sqrt{\text{Rz 63}}$	$\sqrt{\text{Rz 25}}$	$\sqrt{\text{Rz 16}}$	$\sqrt{\text{Rz 6,3}}$
Allgemeintoleranzen DIN ISO 2768-mK		Material:	Halbzeug:	Datum	Name
Projektionsmethode 1 Schutzvermerk DIN ISO 16016 beachten		material:	semi finished product:	gez. 19.10.2016	C. Szingsnis
Bohrungen und Gewinde ohne angeben:		Gewicht (g):	weight:	gepr. 09.11.2016	S. Trippel
Passungen und Passbohrungen ohne angeben:		Benennung:			
$\sqrt{\text{Rz 6,3}}$ $\phi 0,2$		description:			
$\sqrt{\text{Rz 6,3}}$ $\phi 0,02$		<b>3D Adaption THOR-50th lower Thorax right</b>			
		<b>20_304</b>			
		Blatt-Nr./Anzahl	Zeichnungs-Nr.		
		1 / 1	drawing number:		
		<b>B04_001_013</b>			
		letzte Speicherung durch: Christoph.Szingsnis			
		R:\CAD\B04_S-TRACK\B04_001_013_3D-Adaption-lower-Thorax-right-THOR.Mt			
01	wire colours according to ICE 60757 weight tolerance +/- 10g	20.04.2017	C. Szingsnis	Format	Maßstab
Index	Änderungen	Datum	Name	A3	2:1

**ALTERNATIVE FOR PART NO. 472-3570 W/O OFFSET**



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