Příloha 2

T20WN

Torque transducers

Special features

- **Nominal (rated) torques 0.1 N·m, 0.2 N·m, 0.5 N·m, 1 N·m, 2 N·m, 5 N·m, 10 N·m, 20 N·m, 50 N·m, 100 N·m, 200 N·m**
- **Accuracy class: 0.2**
- **Contactless transmission of measurement signals**
- **Measurement on rotating or stationary parts**
- **Cylindrical shaft ends for non-play friction joints**
- **Integrated measurement system for rotational speed and angle of rotation**
- **Torque output signal ±10 V**

Type		**T20WN**										
Accuracy class		0.2										
Torque measuring system												
Nominal (rated) torque M_{nom}	N·m	0.1	0.2	0.5	1	2	5	10	20	50	100	200
Nominal (rated) sensitivity (nominal (rated) signal range between torque = zero and nominal (rated) torque)	V	10										
Sensitivity tolerance (deviation of actual output quantity at M_{nom} from nominal (rated) signal range)	%	±0.2										
Output signal at torque = zero	V	0±0.2										
Nominal (rated) output signal												
at positive nominal (rated) torque	V	+10										
at negative nominal (rated) torque	V	-10										
Load resistance	MΩ	> 1										
Long-term drift over 48 h	mV	<±50										
Cut-off frequency (-3 dB)	Hz	200										
Residual ripple	mV_{PP}	< 80										
Group delay	ms	< 1.0										
Temperature effect per 10 K in nominal (rated) temperature range												
on the output signal, related to the actual value of the signal span	%	±0.1										
on the zero signal, related to the nominal (rated) sensitivity	%	±0.2										
Power supply												
Nominal (rated) supply voltage (separated extra-low voltage (SELV))	V (DC)	12 (10.8 to 13.2)										
Calibration signal triggering	V	5 to 13.2										
Current consumption in measuring mode	A	< 0.2										
Nominal (rated) power consumption	W	< 2.4										
Max. ripple on supply voltage	mV_{pp}	200										
Non-linearity including hysteresis, related to nominal (rated) sensitivity	%	<±0.1										
Relative standard deviation of the repeatability per DIN 1319, related to the variation of the output signal	%	<±0.05										
Calibration signal	V	+10±0.2%										