



Key data	TSX MAG incremental, commutation signal	
Number of channels	2	
Max. counts per turn	2560	
Number of pole pairs	10	
Encoder length L	mm 7.65	
Ambient temperature	°C -40 +105	
Weight	g 19.0	

Selection criteria Speed and rotation direction detection	TSX MAG incremental, commutation signal
Speed and position control	
Compact and robust design	
High resolution	
Cost effective	

■ suitable ▲ suitable to a limited extent ● not suitable

Specifications		TSX MAG incremental, com	mutation signal
Supply voltage V _{cc}	V	5V ± 0.5	
Typical current draw	mΑ	16.1	
Max. operating frequency	kHz	500	
Max. Speed	rpm	10 000	
Plug manufacturer JST Plug part no. SM14B-NSHSS-TB		Pin 1 V _{cc} Pin 2 GND Pin 3 A/ Pin 4 A Pin 5 B/ Pin 6 B Pin 7 Not connect Pin 8 Not connect Pin 9 H1 Pin 10 H2 Pin 11 H3 Pin 12 N.C. Pin 13 NTC+ Pin 14 NTC-	14

Configuration TSX MAG commutation signal

modular system EC frameless DT 50 S DT 50 M	Page 341 342	Details Masse siehe Montageanweisung Details dimensions see assembling manual	configuration (4.65)	(Ø34.55)	Additional information H1 is calibrated to commutation angle zero, in accordance with page 62. Rotor and stator are paired by maxon Ordering information: For motors that cannot be ordered online use part number 723837 when ordering.
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