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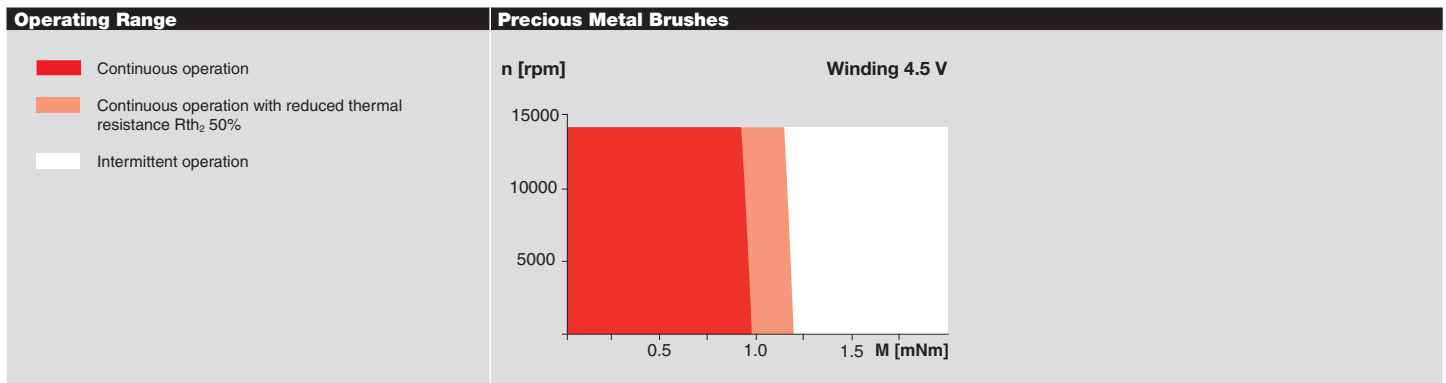
NEW

DCX 10 S brushed DC motor Ø10 mm

Configurable



Key Data		Precious Metal Brushes
Typical Speed/torque gradient	rpm/mNm	9617
Max. nominal torque	mNm	0.94
Max. permissible speed	rpm	14300
Max. continuous output power/assigned power rating	W	1.4/1
Max. efficiency	%	57
Ambient temperature	°C	-30 ... 85
Mech. time constant	ms	7.45
Therm. time constant winding	s	4.7
Rotor inertia	gcm ²	0.07
Max. axial loading (dynamic)	N	Ball bearings: 0.5/Sleeve bearings: 0.1
Max. radial loading, 5 mm from flange	N	Ball bearings: 1.5/Sleeve bearings: 0.8
Typical noise level	dBA	35
Weight	g	6.3



Specifications	Precious Metal Brushes						
	V	1.5	3	4.5	6	9	12
Nominal voltage	V	1.5	3	4.5	6	9	12
No load speed	rpm	12700	13100	12700	12700	12600	12600
No load current	mA	90.6	47.3	30.2	22.6	15.1	11.3
Nominal current	A	0.924	0.489	0.316	0.233	0.152	0.114
Torque constant	mNm/A	1.05	2.05	3.16	4.22	6.33	8.44
Speed constant	rpm/V	9050	4660	3020	2260	1510	1130
Terminal resistance	Ω	1.11	4.07	9.75	17.9	41.8	75.0
Terminal inductance	mH	0.019	0.073	0.173	0.307	0.692	1.23

Configuration	dcx.maxonmotor.com
Bearing	Sleeve bearings/ball bearings preloaded
Commutation	Precious metal brushes with or without CLL
Flange front/back	Standard flange/Flange with thread holes/no flange
Shaft front/back	Length
Electric connection	Terminals or cable/cable length/connector type

maxon Modular System	Page	Dimensions Standard Configuration	M 1.5:1
maxon gear			
GPX 10	66		
maxon sensor			
ENX 10 EASY	74		
ENX 10 QUAD	74		
maxon motor control			
ESCON 36/2 DC	342		
EPOS2 24/2 (DC/EC)	350		
EPOS2 Module 36/2	350		
EPOS2 P 24/5	354		
Shortest configuration possible: 16.9 mm			