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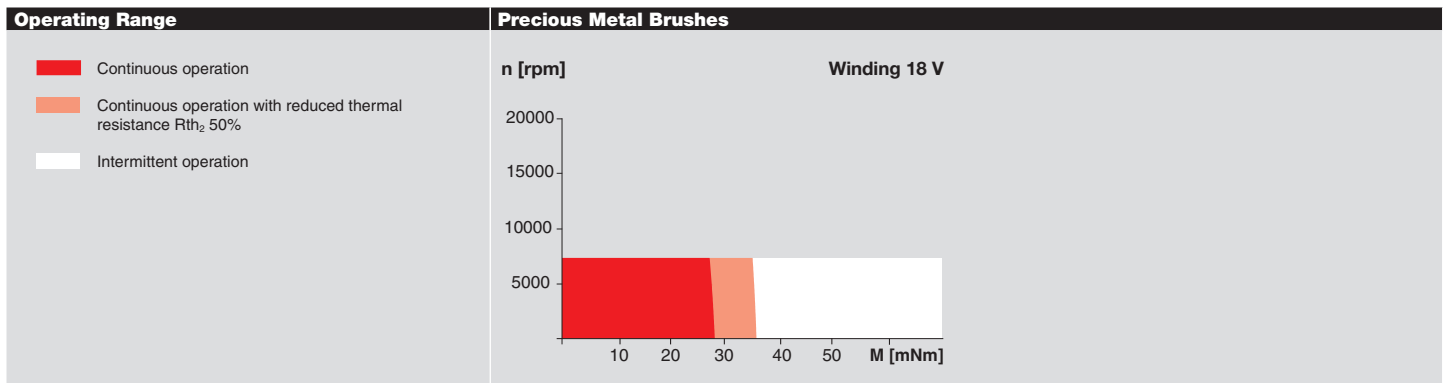
NEW

DCX 22 L brushed DC motor Ø22 mm

Configurable



Key Data		Precious Metal Brushes
Typical Speed/torque gradient	rpm/mNm	34
Max. nominal torque	mNm	29.8
Max. permissible speed	rpm	7160
Max. continuous output power/assigned power rating	W	20/11
Max. efficiency	%	90
Ambient temperature	°C	-30 ... 85
Mech. time constant	ms	3.17
Therm. time constant winding	s	22.0
Rotor inertia	gcm ²	9.01
Max. axial loading (dynamic)	N	Ball bearings: 2.5/Sinterlager: 0.1
Max. radial loading, 5 mm from flange	N	Ball bearings: 16/Sinterlager: 3
Typical noise level	dBA	52
Weight	g	90



Specifications	Precious Metal Brushes						
	6	12	18	24	36	48	
Nominal voltage	V						
No load speed	rpm	5870	4980	5740	5060	6020	5220
No load current	mA	51.0	20.0	16.4	10.2	8.82	5.36
Nominal current	A	1.50	1.30	1.01	0.66	0.52	0.32
Torque constant	mNm/A	9.73	22.9	29.9	45.2	57.0	87.6
Speed constant	rpm/V	981	416	320	211	168	109
Terminal resistance	Ω	0.343	1.84	3.01	7.25	11.4	29.9
Terminal inductance	mH	0.035	0.192	0.326	0.746	1.19	2.80

Configuration	dcx.maxonmotor.com
Bearing	Ball bearings preloaded/sleeve bearings
Commutation	Precious metal brushes with or without CLL/graphite brushes/EMI filter
Flange front/back	Standard flange/configurable flange/no flange
Shaft front/back	Length/diameter/flat face
Electric connection	Terminals or cable/alignment of connection/cable length/connector type

maxon Modular System	Page	Dimensions Standard Configuration	M 1:1
maxon gear			
GPX 22	68-69		
maxon sensor			
ENX 10 QUAD	74		
ENX 16 EASY	75		
ENC SCH16F	322		
ENC 30 HEDL 5540	330		
maxon motor control			
ESCON 36/2 DC	342		
ESCON 50/5, Module 50/5	343		
EPOS2 24/2	350		
EPOS2 Module 36/2	350		
EPOS2 24/5	351		
EPOS2 50/5	351		
EPOS2 P 24/5	354		
EPOS3 70/10 EtherCAT	357		
MAXPOS 50/5	360	Shortest configuration possible: 44.7 mm	

