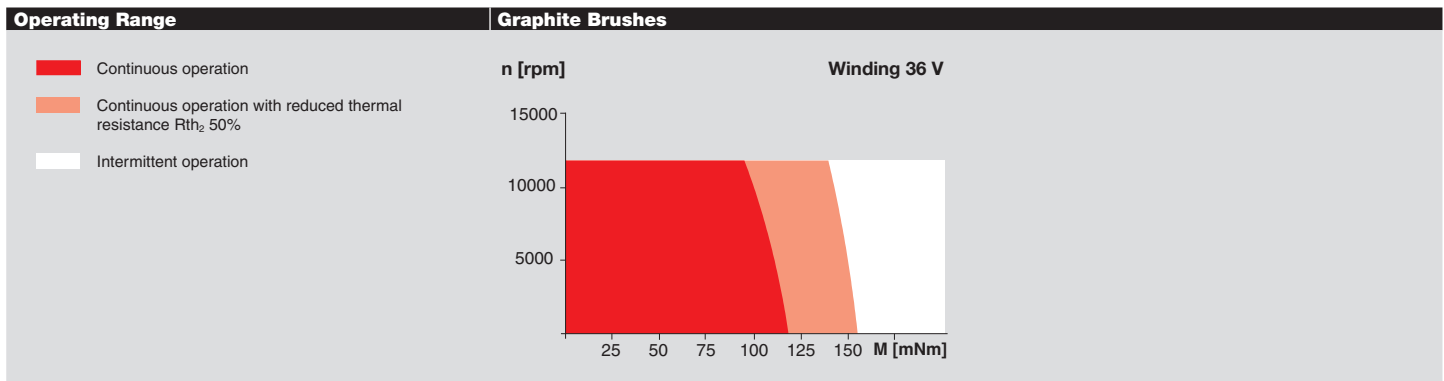


DCX 32 L brushed DC motor Ø32 mm

Configurable



Key Data		Graphite Brushes	
Typical Speed/torque gradient	rpm/mNm	4.6	
Max. nominal torque	mNm	129	
Max. permissible speed	rpm	11300	
Max. continuous output power/assigned power rating	W	110/70	
Max. efficiency	%	90	
Ambient temperature	°C	-40 ... 100	
Mech. time constant	ms	4.17	
Therm. time constant winding	s	42.2	
Rotor inertia	gcm ²	75.4	
Max. axial loading (dynamic)	N	7	
Max. radial loading, 5 mm from flange	N	65.3	
Typical noise level	dBA	47	
Weight	g	300	



Specifications		Graphite Brushes											
Nominal voltage	V	12	18	24	36	48	60						
No load speed	rpm	6690	8300	8050	7940	7780	5840						
No load current	mA	269	230	163	103	75	42						
Nominal current	A	4.92	4.22	3.46	2.93	2.20	1.36						
Torque constant	mNm/A	15.6	19.5	27.3	42.9	58.5	97.5						
Speed constant	rpm/V	612	490	350	223	163	97.9						
Terminal resistance	Ω	0.150	0.203	0.379	0.764	1.400	4.120						
Terminal inductance	mH	0.034	0.053	0.103	0.254	0.473	1.310						

Configuration		dcx.maxonmotor.com	
Bearing		Ball bearings preloaded	
Commutation		Graphite brushes	
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 1:2
maxon gear					
GPX 32		70			
maxon sensor					
ENX 10 QUAD		74			
ENX 16 EASY		75			
ENC 2RMHF		323			
ENC 30 HEDL 5540		330			
maxon motor control					
ESCON 50/5		343			
ESCON Module 50/5		343			
ESCON 70/10		343			
EPOS2 24/5		351			
EPOS2 50/5		351			
EPOS2 70/10		351			
EPOS2 P 24/5		354			
EPOS3 70/10 EtherCAT		357			
MAXPOS 50/5		360	Shortest configuration possible: 68.4 mm		

