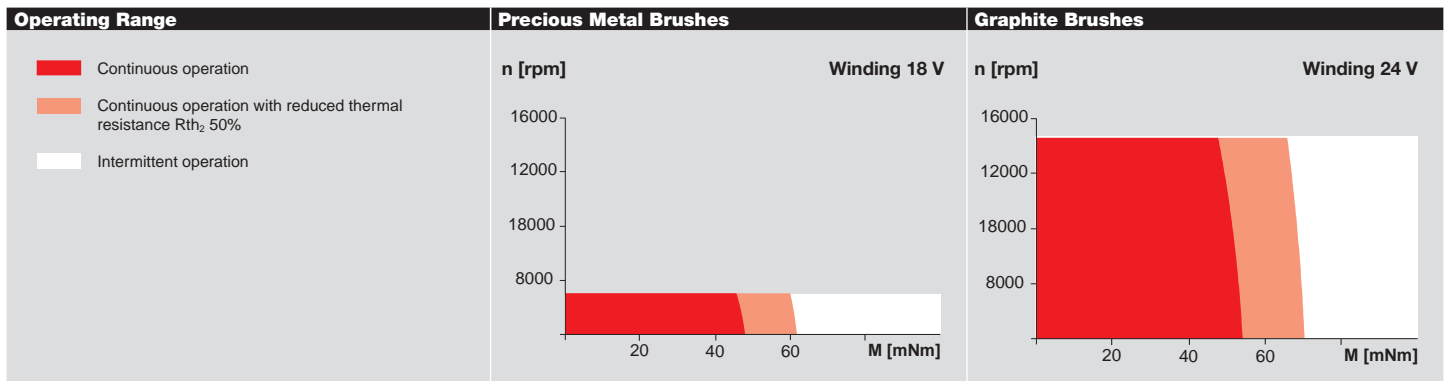


# DCX 26 L brushed DC motor Ø26 mm

Configurable



Key Data	Precious Metal Brushes	Graphite Brushes
Typical Speed/torque gradient	rpm/mNm 15	17
Max. nominal torque	mNm 52.3	59.8
Max. speed	rpm 5900	14400
Max. continuous output power/assigned power rating	W 29/18	74/40
Max. efficiency	% 89	91
Ambient temperature	°C -30 ... 85	-40 ... 100
Mech. time constant	ms 3.13	3.64
Therm. time constant winding	s 24.0	24.0
Rotor inertia	gcm <sup>2</sup> 20.5	20.9
Max. axial load (dynamic)	N Ball bearings: 5.5/Sinterlager: 0.1	Ball bearings: 5.5/Sleeve bearings: 0.1
Max. radial load, 5 mm from flange	N Ball bearings: 20.5/Sinterlager: 5.5	Ball bearings: 20.5/Sleeve bearings: 5.5
Typical noise level	dBA 48	44
Weight	g 170	170



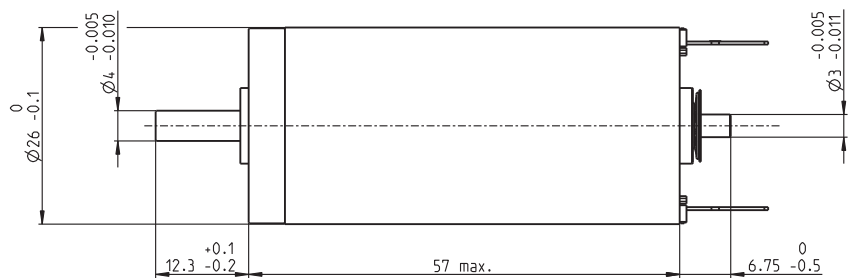
Specifications	Precious Metal Brushes						Graphite Brushes						
	V	9	12	18	24	36	48	12	18	24	36	48	60
Nominal voltage	V	9	12	18	24	36	48	12	18	24	36	48	60
No load speed	rpm	5530	5330	5530	5330	5430	5320	10600	11 100	10700	11 100	10700	10900
No load current	mA	80.5	56.8	40.2	28.4	19.50	14.20	131	93.0	65.7	46.5	32.9	27.3
Nominal current	A	2.20	2.200	1.64	1.25	0.822	0.599	4.50	3.59	2.76	1.79	1.41	1.17
Torque constant	mNm/A	15.5	21.4	31.0	42.9	63.2	85.8	10.7	15.5	21.4	31	42.9	52.4
Speed constant	rpm/V	616	445	308	223	151	111	890	616	445	308	223	182
Terminal resistance	Ω	0.363	0.671	1.54	2.7	6.15	11.6	0.242	0.427	0.74	1.75	2.95	4.2
Terminal inductance	mH	0.067	0.129	0.268	0.514	1.11	2.06	0.032	0.067	0.129	0.268	0.514	0.768

Configuration	dcx.maxonmotor.com
Bearing	Ball bearings preloaded/sleeve bearings
Commutation	Precious metal brushes with CLL/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 1:1
<b>maxon gear</b>	Number of stages		
GPX 26	1-2	31	
GPX 32	3	32-33	

maxon sensor	
ENX 10 QUAD	38
ENX 16 EASY	39
ENX 16 EASY Absolute	40
ENC SCH16F	catalogue
ENC 30 HEDL 5540	catalogue

maxon motor control	
ESCON 36/2 DC, ESCON 50/5, Module 50/5	44
EPOS2 24/2 (DC/EC)	44
EPOS2 Module 36/2	44
EPOS2 24/5, EPOS2 50/5	44
EPOS2 P 24/5	44
EPOS3 70/10 EtherCAT	44
MAXPOS 50/5	44



Shortest configuration possible: 54 mm