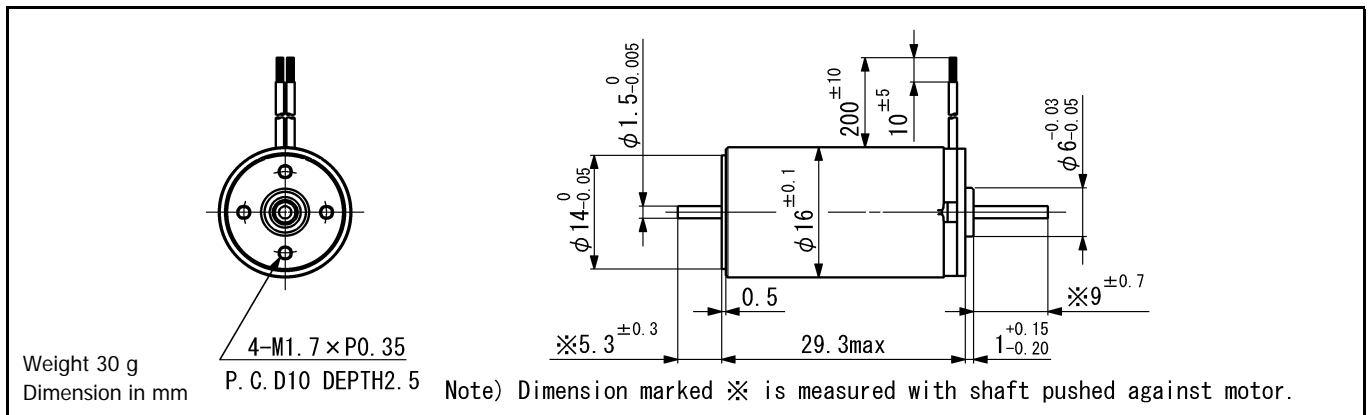


SCL16-29

Precious metal commutation



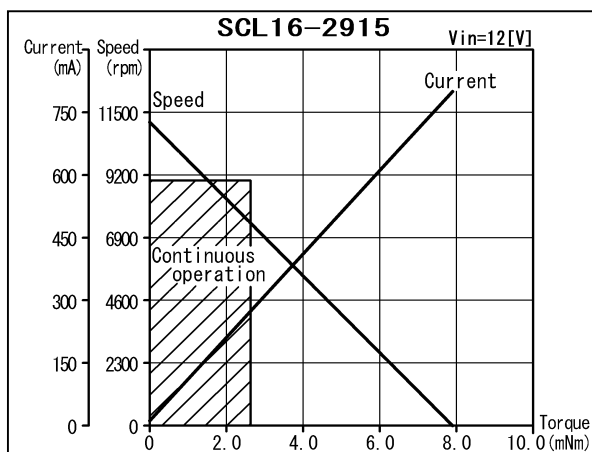
For combination with gearheads: SSG15, SPG16

For combination with encoder: ME16

Ordering number			SCL16-2906	SCL16-2915
1 Nominal voltage			6	12 V
2 Terminal resistance			6	15.1 Ω
3 Output power			1.5	2.4 W
4 Efficiency			74	77 %
5 No-load speed			9500	11400 rpm
6 No-load current			19	13 mA
7 Stall torque			5.8	7.9 mNm
8 Friction torque			0.11	0.12 mNm
9 Back-EMF constant			0.62	1.04 mV/rpm
10 Torque constant			5.92	9.90 mNm/A
11 Slope of N-T curve			1644	1469 rpm/mNm
12 Coil inductance			0.12	0.32 mH
13 Mechanical time constant			9.3	8.2 ms
14 Rotor inertia			0.54	0.53 gcm ²

Continuous operation

15 Speed range			7600	9100 rpm
16 Max. torque			2.52	2.66 mNm



General specifications

17 Operating temperature	-20...+60	$^{\circ}\text{C}$
18 Max. coil temperature	+80	$^{\circ}\text{C}$
19 Thermal resistances	$R_{th1} = 5, R_{th2} = 33$	K/W
20 Bearings type	Sintered sleeves	
21 Max. shaft radial load	1.2 (5 mm)	N
22 Max. shaft axial load	0.2	N
23 Max. axial load at standstill	9.8	N
24 Shaft radial play	0.05	mm
25 Shaft axial play	0.03...0.2	mm

Options: Lead wires length, shaft length, special coils, commutator with capacitors.