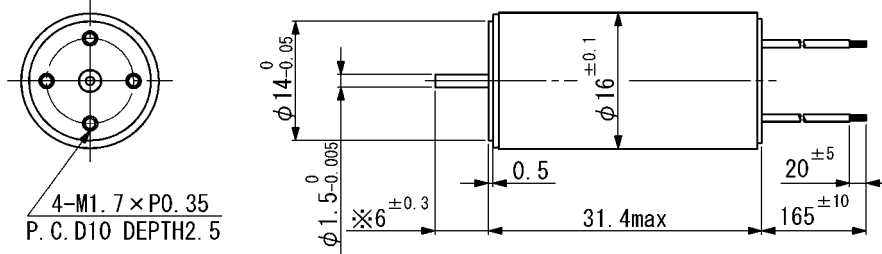


SCL16-30

Precious metal commutation



Weight 37.7 g
Dimension in mm

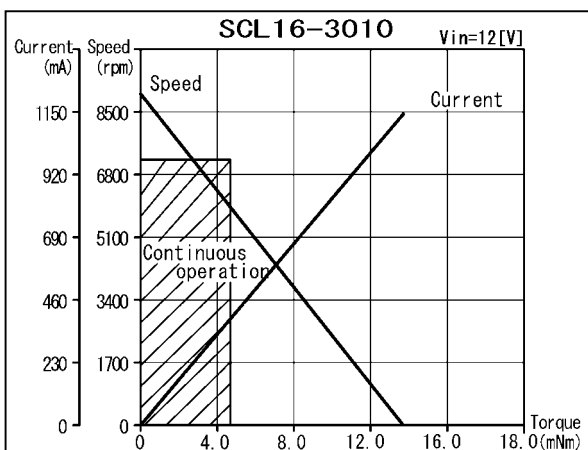
Note) Dimension marked ※ is measured with shaft pushed against motor.

For combination with gearheads: SSG15, SPG16

Ordering number				SCL16-3010
1 Nominal voltage				12 V
2 Terminal resistance				10.5 Ω
3 Output power				3.4 W
4 Efficiency				87 %
5 No-load speed				9000 rpm
6 No-load current				5 mA
7 Stall torque				14.4 mNm
8 Friction torque				0.06 mNm
9 Back-EMF constant				1.33 mV/rpm
10 Torque constant				12.7 mNm/A
11 Slope of N-T curve				630 rpm/mNm
12 Coil inductance				0.16 mH
13 Mechanical time constant				7.2 ms
14 Rotor inertia				1.1 gcm ²

Continuous operation

15 Speed range				7200 rpm
16 Max. torque				4.59 mNm



General specifications

17 Operating temperature	-20...+60	$^{\circ}C$
18 Max. coil temperature	+80	$^{\circ}C$
19 Thermal resistances	$R_{th1} = 4, R_{th2} = 28$	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.