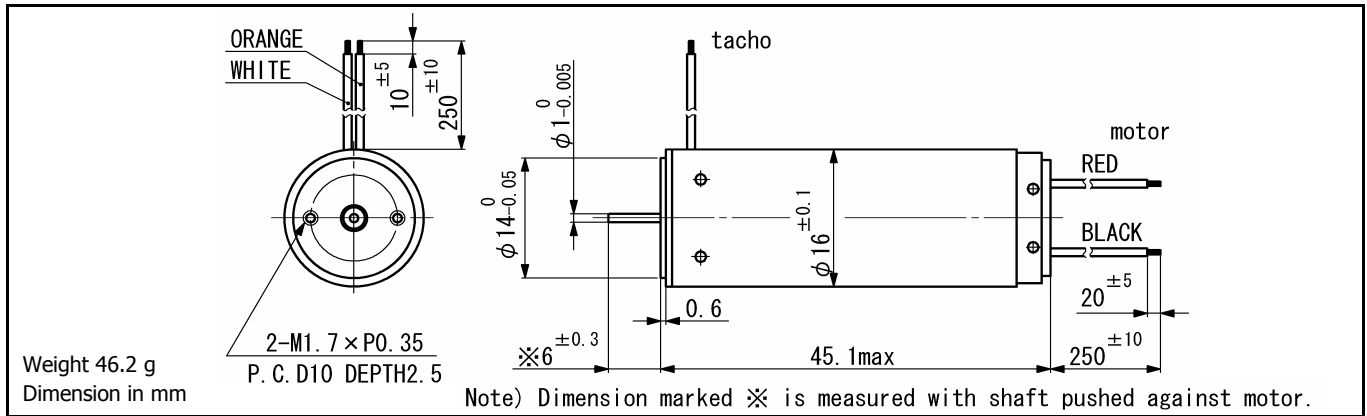


SCL16-44

Precious metal commutation



For combination with gearhead: SSG15

Ordering number			SCL16-4428T	SCL16-4464T
Nominal voltage			6	12 V
Terminal resistance			27.6	64 Ω
Output power			0.31	0.54 W
No-load speed			4400	5900 rpm
No-load current			5	4 mA
Stall torque			2.7	3.49 mNm
Friction torque			0.06	0.08 mNm
Back-EMF constant			1.33	1.99 mV/rpm
Torque constant			12.7	19 mNm/A
Motor coil inductance			0.13	1 mH
Rotor inertia			0.8	0.87 gcm ²

Continuous operation

Max. recommended speed			3500	4700 rpm
Max. recommended torque			1.35	1.74 mNm

Tachogenerator

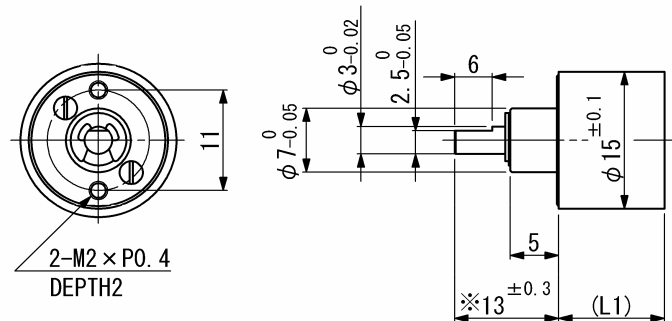
EMF constant		1.2	mV/rpm
Recommended min. load resistance		10	kΩ
Terminal resistance		130	Ω
Max. ripple peak to peak		2	%

General specifications

Operating temperature		-20...60	°C
Max. coil temperature		80	°C
Shaft bearing		Sleeve bearings	
Max. shaft radial load		0.5 (5 mm)	N
Max. shaft axial load		0.15	N
Max. axial load at standstill		7.8	N
Shaft radial play		0.05	mm
Shaft axial play		0.03...0.2	mm

SSG15

Spur gearhead



Dimension in mm

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

For combination with motors: SCL16-15, SCL16-25, SCL16-30, SCL17-30

For combination with motor-tachogenerators: SCL16-44, SCL17-44

General specifications

SSG15

Housing material	Metal	
Geartrain material	Metal	
Recommended max. input speed	6000	rpm
Operating temperature range	-10...+60	°C
Max. backlash at no-load, 5 stages	≤ 5	°
Bearings on output shaft	Sintered sleeve bearings	
Max. shaft radial load (10 mm from flange)	4	N
Max. shaft axial load	2	N
Max. shaft press fit force	30	N
Shaft radial play	≤ 0.03	mm
Shaft axial play	≤ 0.2	mm

Ratio (nominal)	Stage	Gearhead length, L1 [mm]	Gearhead weight [g]	Max. allowable torque [mNm]		Length with motor [mm]						Efficiency [%]	Direction of rotation
				Continuous	Intermittent	SCL16-15	SCL16-25	SCL16-30	SCL17-30	SCL16-44	SCL17-44		
29 : 1	3	9.6	8.9	15	30	27.1	34.6	41	41	54.1	54.2	73	≠
49 : 1	4	11.6	10.3	24	60	29.1	36.6	43	43	56.1	56.2	66	=
71 : 1	4	11.6	10.3	24	60	29.1	36.6	43	43	56.1	56.2	66	=
94 : 1	4	11.6	10.3	24	60	29.1	36.6	43	43	56.1	56.2	66	=
198 : 1	5	13.6	11.5	24	60	31.1	38.6	45	45	58.1	58.2	59	≠