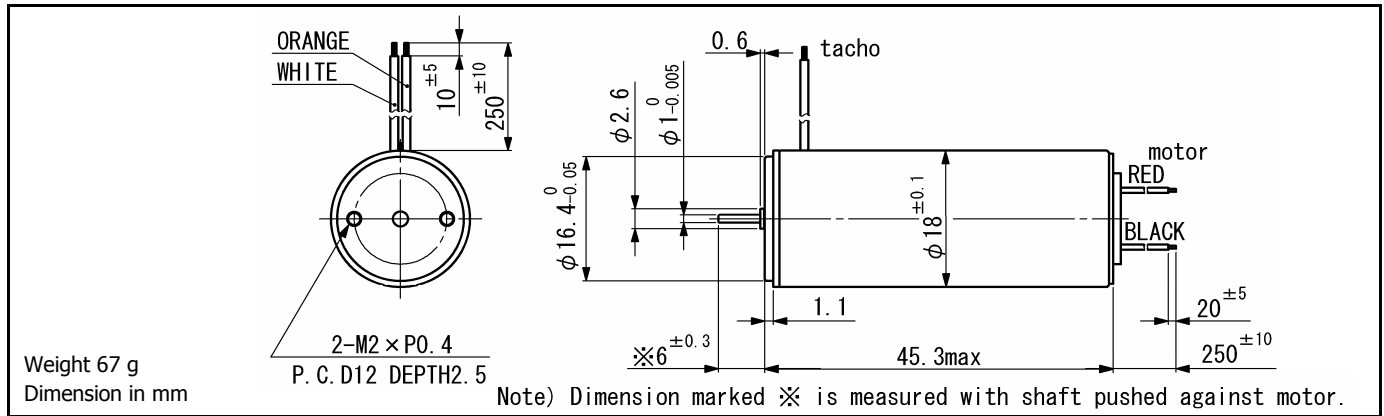


SCL18-44

Precious metal commutation



For combination with gearhead: SSG18

Ordering number	SCL18					-4405T
	Nominal voltage					
Terminal resistance						5.1 Ω
Output power						3.1 W
No-load speed						9450 rpm
No-load current						13 mA
Stall torque						12.5 mNm
Friction torque						0.1 mNm
Back-EMF constant						0.84 mV/rpm
Torque constant						8.01 mNm/A
Motor coil inductance						0.083 mH
Rotor inertia						1.73 gcm ²

Continuous operation

Max. recommended torque						3.9 mNm
-------------------------	--	--	--	--	--	---------

Tachogenerator

EMF constant			0.7			mV/rpm
Recommended min. load resistance			10			kΩ
Terminal resistance			48.8			Ω
Max. ripple peak to peak			5			%

General specifications

Operating temperature			-20...60			°C
Max. coil temperature			80			°C
Shaft bearing			Sleeve bearings			
Max. shaft radial load			1.2 (5 mm)			N
Max. shaft axial load			0.2			N
Max. axial load at standstill			9.8			N
Shaft radial play			0.05			mm
Shaft axial play			0.03...0.2			mm

V01