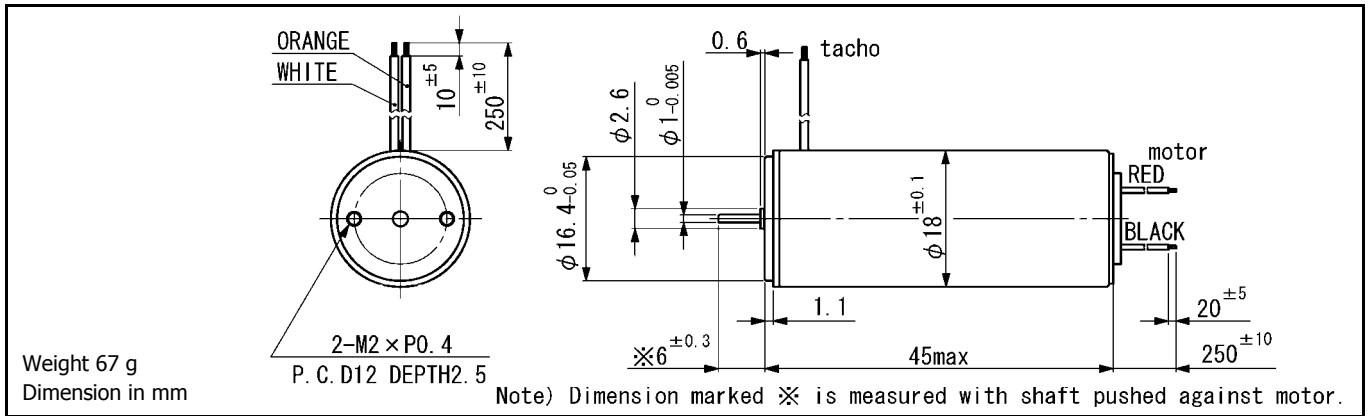


SCL18-44

Precious metal commutation



For combination with gearhead: SSG18

Ordering number				SCL18-4405T
Nominal voltage				8 V
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 speed				7600 rpm
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