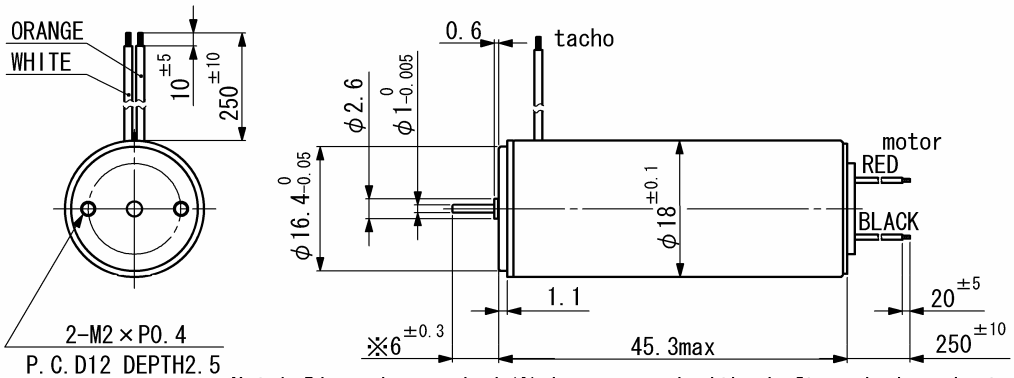
Namiki

MOTOR-TACHOGENERATOR SERIES

SCL18-44

Precious metal commutation



Weight 67 g
Dimension in mm

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

For combination with gearhead: SSG18

	SCL18						
Ordering number						-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 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

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Specifications subject to change without notice

NAMIKI GROUP