



INFO These two phase hybrid stepper motors are optimized for microstepping and give a good fit to the TRINAMIC family of motor controllers and drivers.

QSH 6018

60 mm / NEMA24
1.8° step angle
high torque
hybrid stepper motor

MAIN CHARACTERISTICS

- NEMA 23 mounting configuration
- flange max. 60.5 mm * 60.5 mm
- 8 mm axis diameter, 25 mm length, D-Cut
- step angle: 1.8°
- optimized for microstep operation
- optimum fit for TMC239 / TMC249 base driver circuits
- up to 75V operating voltage
- 4 wire connection
- neodymium magnets for maximum torque
- CE approved
- RoHS compliant

SPECIFICATIONS	UNIT	-45-28-110	-56-28-165	-65-28-210	-86-28-310
Rated phase current	A	2.8	2.8	2.8	2.8
Ph. resistance at 20°C		0.75	0.9	1.2	1.5
Ph. inductance (typ.)	mH	2	3.6	4.6	6.8
Holding torque (typ.)	Ncm	110	165	210	310
Rotor inertia	gcm ²	275	400	570	840
Weight (mass)	kg	0.6	0.77	1.20	1.40
Motor length	mm	45.0	56.0	65.0	86.0

ORDER CODE	DESCRIPTION
QSH6018-45-28-110	QMOT Steppermotor 60 mm, 2.8A, 1.10 Nm
QSH6018-56-28-165	QMOT Steppermotor 60 mm, 2.8A, 1.65 Nm
QSH6018-65-28-210	QMOT Steppermotor 60 mm, 2.8A, 2.10 Nm
QSH6018-86-28-310	QMOT Steppermotor 60 mm, 2.8A, 3.10 Nm