



# QSH 5718

57 mm / NEMA23  
 1.8° step angle  
 high torque  
 hybrid stepper motor

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. They are also used in the 57 mm PANdrive mechatronics family.  
 Not for new design! Please use QSH5718 new series instead.

MAIN CHARACTERISTICS

- NEMA 23 mounting configuration
- flange max. 57.2 mm \* 57.2 mm
- 6.35 mm axis diameter, 20.6 mm length
- step angle: 1.8°
- optimized for microstep operation
- optimum fit for TMC239 / TMC249 based driver circuits
- up to 84V operating voltage
- 4 wire connection
- neodymium magnets for maximum torque
- CE approved
- RoHS compliant

SPECIFICATIONS	UNIT	-41-30-047	-55-30-098	-79-30-163
Rated phase current	A	3.0	3.0	3.0
Ph. resistance at 20°C		0.8	0.8	0.8
Ph. inductance (typ.)	mH	1.5	2.1	3.2
Holding torque (typ.)	Ncm	47	98	163
Detent torque	Ncm	2.1	3.0	3.0
Rotor inertia	gcm <sup>2</sup>	77	209	335
Weight (mass)	kg	0.50	0.70	1.00
Motor length	mm	41.0	55.0	78.5
Related PAN-drive	Type	PD1-...-57	PD2-...-57	PD3-...-57

ORDER CODE	DESCRIPTION
QSH5718-41-30-047	QMot Steppermotor 57 mm, 3.0A, 0.47 Nm
QSH5718-55-30-098	QMot Steppermotor 57 mm, 3.0A, 0.98 Nm
QSH5718-79-30-163	QMot Steppermotor 57 mm, 3.0A, 1.63 Nm