

NEMA17 GEAR STEPPER MOTOR

NEMA17-08GM



Our NEMA 17 series are very small high torque stepper motors that can reach speeds of up to 3000 rpm.

This compact stepper motor with a 4:1 transmission gearing is suitable for applications in which you require a precise and powerful working stepper motor.

MAIN FEATURES

Shaft	Ø 5 x 19 mm (4.5 mm flat spot)
Interface connection	6 JST pin connector
Dimensions	43 x 43 x 75 mm
Items delivered	NEMA17 planetary gear stepper, connection cable

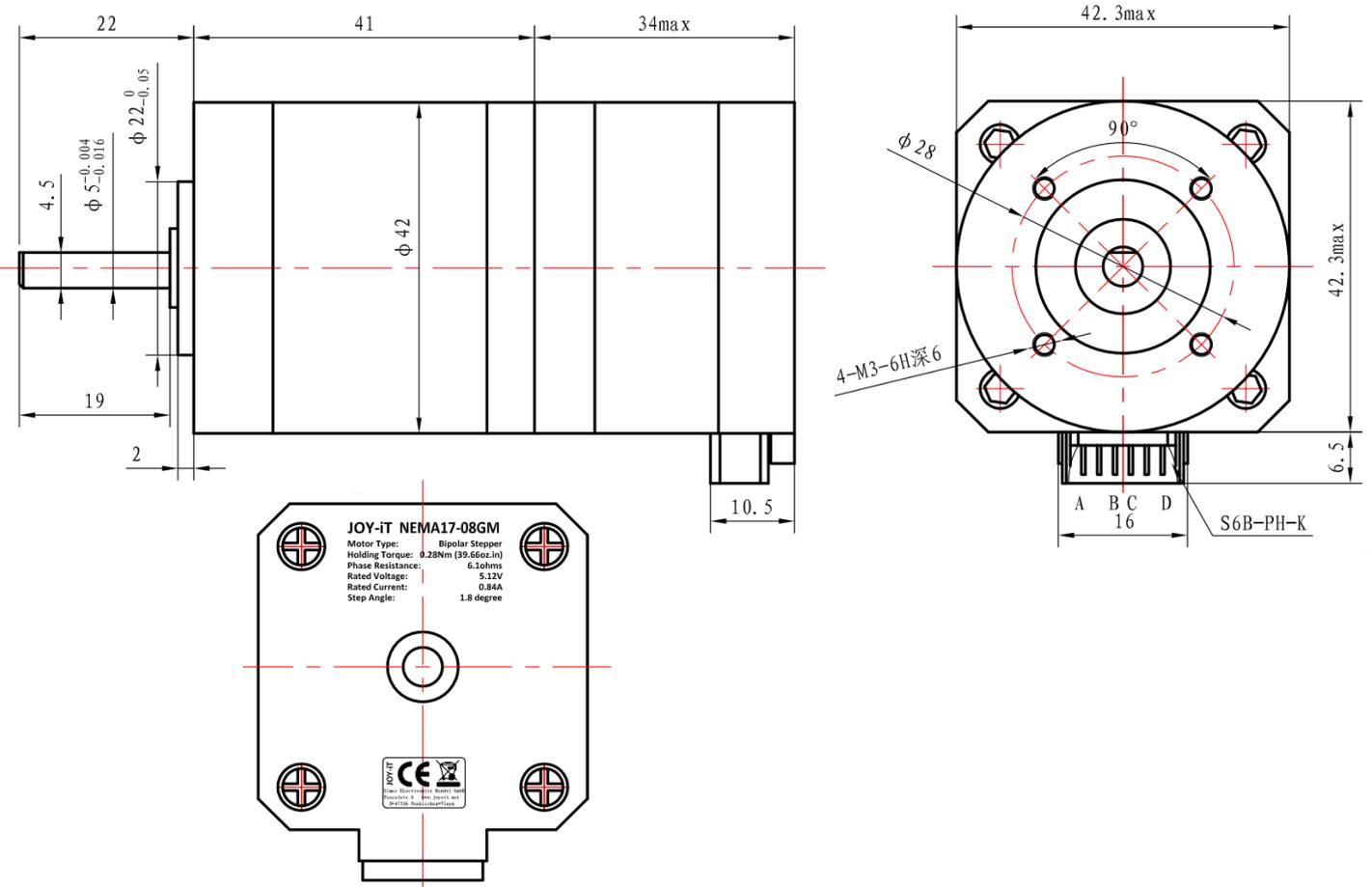
PERFORMANCE SPECIFICATIONS

Gear box	
Efficiency	96%
Gear reduction ratio	4 : 1
Max permiss torque	3.5 Nm
Moment max. perm. torque	6 Nm
Arc minutes	15
Rated input rotation rate	3000 RPM
Max. Input Speed	5000 RPM
Stepper motor	
Holding torque	0.28 Nm
Rated Voltage	5.12 V
Rated Current	0.84 A
Step Angle	1.8 ° ±5 %
No. of Phases	2
Phase Resistance	6.1 Ω
Phase inductivity	8.9 mH
Isolation resistance	100 MΩ min. @500 V DC
Isolation class	B (130 °C)
Rotational inertia	38 g·cm ²
Detent torque	0.012 Nm
Operating temperature	-10 °C - 50 °C

FURTHER DETAILS

Article No.	NEMA17-08GM
EAN:	4250236821757
Customs Tariff No.	8501109990

DRAWING



WIRING

