



Main

Range compatibility	PacDrive 3
Product or component type	Servo motor
Device short name	SH3.....P

Complementary

Maximum mechanical speed	9000 rpm
[Us] rated supply voltage	115...480 V
Network number of phases	Three phase
Continuous stall current	1.2 A
Continuous stall torque	7.08 lbf.in (0.8 N.m) 115...480 V three phase
Continuous power	530 W
Peak stall torque	22.13 lbf.in (2.5 N.m) 115...480 V three phase
Nominal output power	160 W 115 V three phase 310 W 230 V three phase 600 W 400 V three phase 670 W 480 V three phase
Nominal torque	6.82 lbf.in (0.77 N.m) 115 V three phase 6.64 lbf.in (0.75 N.m) 230 V three phase 6.37 lbf.in (0.72 N.m) 400 V three phase 6.28 lbf.in (0.71 N.m) 480 V three phase
Nominal speed	4000 rpm at 230 V three phase 9000 rpm at 480 V three phase 2000 rpm 115 V three phase 8000 rpm 400 V three phase
Maximum current Irms	4.8 A
Shaft end	Parallel key
Shaft diameter	0.35 in (9 mm)
Shaft length	0.79 in (20 mm)

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.

Key width	0.12 in (3 mm)
IP degree of protection	IP54 shaft bushing without shaft seal ring: conforming to EN/IEC 60034-5 Motor IP65 EN/IEC 60034-5 Shaft bushing IP65 EN/IEC 60034-5
Encoder type	Absolute single turn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	Without
Mounting support	International standard flange
Motor flange size	2.17 in (55 mm)
Torque constant	0.7 N.m/A at 120 °C
Back emf constant	40 V/krpm 68 °F (20 °C)
Number of motor poles	3
Rotor inertia	0.096 kg.cm ²
Stator resistance	17.4 Ohm
Stator inductance	53.54 mH
Maximum radial force Fr	370 N 1000 rpm 290 N 2000 rpm 260 N 3000 rpm 230 N 4000 rpm 220 N 5000 rpm 200 N 6000 rpm 190 N 7000 rpm 190 N 8000 rpm
Maximum axial force Fa	40 N
Type of cooling	Natural convection
Length	6.08 in (154.4 mm)
Centring collar diameter	1.57 in (40 mm)
Centring collar depth	0.08 in (2 mm)
Number of mounting holes	4
Mounting holes diameter	0.22 in (5.5 mm)
Circle diameter of the mounting holes	2.48 in (63 mm)
Net weight	3.31 lb(US) (1.5 kg)

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	4.19 lb(US) (1.9 kg)
Package 1 Height	4.53 in (11.5 cm)
Package 1 width	7.48 in (19 cm)
Package 1 Length	15.55 in (39.5 cm)

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
PVC free	Yes

Contractual warranty

Warranty	18 months
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