



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	0.73 A
Continuous stall torque	4.43 lbf.in (0.5 N.m) 115...480 V three phase
Peak stall torque	13.28 lbf.in (1.5 N.m) 115...480 V three phase
Nominal output power	100 W 115 V three phase 210 W 230 V three phase 400 W 400 V three phase 440 W 480 V three phase
Nominal torque	4.43 lbf.in (0.5 N.m) 115 V three phase 4.43 lbf.in (0.5 N.m) 230 V three phase 4.25 lbf.in (0.48 N.m) 400 V three phase 4.16 lbf.in (0.47 N.m) 480 V three phase
Nominal speed	9000 rpm at 480 V three phase 2000 rpm 115 V three phase 8000 rpm 230 V three phase 8000 rpm 400 V three phase
Maximum current Irms	2.9 A
Shaft end	Smooth shaft
Shaft diameter	0.35 in (9 mm)
Shaft length	0.79 in (20 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

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

Encoder type	Absolute multiturn 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	0.68 N.m/A 248 °F (120 °C)
Back emf constant	40 V/krpm 68 °F (20 °C)
Number of motor poles	3
Rotor inertia	0.059 kg.cm ²
Stator resistance	41.8 Ohm
Stator inductance	108.72 mH
Maximum radial force Fr	340 N 1000 rpm 270 N 2000 rpm 240 N 3000 rpm 220 N 4000 rpm 200 N 5000 rpm 190 N 6000 rpm 180 N 7000 rpm 170 N 8000 rpm
Maximum axial force Fa	40 N
Type of cooling	Natural convection
Length	5.22 in (132.5 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	2.65 lb(US) (1.2 kg)

Packing Units

Package 1 Weight	2.64 lb(US) (1.197 kg)
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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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