



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
Phase	Three phase
Continuous stall current	1.7 A
Continuous stall torque	10.62 lbf.in (1.2 N.m) at 115...480 V three phase
Peak stall torque	30.97 lbf.in (3.5 N.m) at 115...480 V three phase
Nominal output power	880 W at 400 V three phase 970 W at 480 V three phase 240 W at 115 V three phase 460 W at 230 V three phase
Nominal torque	9.73 lbf.in (1.1 N.m) at 230 V three phase 9.12 lbf.in (1.03 N.m) at 480 V three phase 10 lbf.in (1.13 N.m) at 115 V three phase 9.29 lbf.in (1.05 N.m) at 400 V three phase
Nominal speed	2000 rpm at 115 V three phase 8000 rpm at 400 V three phase 9000 rpm at 480 V three phase 4000 rpm at 230 V three phase
Maximum current Irms	6.5 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 IP65 (motor) conforming to 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.

IP65 (shaft bushing) conforming to EN/IEC 60034-5

Encoder type	Absolute single turn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	Without
Holding torque	7.08 lbf.in (0.8 N.m)
Mounting support	International standard flange
Motor flange size	2.17 in (55 mm)
Electrical connection	Straight connector
Torque constant	0.7 N.m/A at 248 °F (120 °C)
Back emf constant	41 V/krpm at 68 °F (20 °C)
Number of motor poles	3
Rotor inertia	0.134 kg.cm ²
Stator resistance	10.4 Ohm
Stator inductance	37.98 mH
Maximum radial force Fr	190 N at 8000 rpm 200 N at 7000 rpm 210 N at 6000 rpm 230 N at 5000 rpm 240 N at 4000 rpm 270 N at 3000 rpm 310 N at 2000 rpm 390 N at 1000 rpm
Maximum axial force Fa	40 N
Type of cooling	Natural convection
Length	6.95 in (176.5 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)
Product weight	3.97 lb(US) (1.8 kg)

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1036 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations
California proposition 65	WARNING: This product can expose you to chemicals including:
----- Substance 1	Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.
----- More information	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months
-----------------	-----------