



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	1.12 A
Continuous stall torque	0.21 N.m at 115...480 V three phase
Continuous power	220 W
Peak stall torque	0.8 N.m at 480 V three phase
Nominal output power	77 W at 115 V three phase 77 W at 230 V three phase 166 W at 400 V three phase 166 W at 480 V three phase
Nominal torque	0.176 N.m at 115 V three phase 0.176 N.m at 230 V three phase 0.184 N.m at 400 V three phase 0.184 N.m at 480 V three phase
Nominal speed	9000 rpm at 480 V three phase 4000 rpm at 115 V three phase 9000 rpm at 400 V three phase 4000 rpm at 230 V three phase
Maximum current Irms	4.7 A
Shaft end	Parallel key
Shaft diameter	8 mm
Shaft length	25 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 IP65 (shaft bushing) conforming to EN/IEC 60034-5

Encoder type	Absolute multiturn SinCos Hiperface
Speed feedback resolution	16 periods
Holding brake	Without
Mounting support	International standard flange
Motor flange size	40 mm
Electrical connection	Rotatable right angled connector
Torque constant	0.19 N.m/A at 120 °C
Back emf constant	13.6 V/krpm at 20 °C
Number of motor poles	5
Rotor inertia	0.0232 kg.cm ²
Stator resistance	17.2 Ohm
Stator inductance	14.6 mH
Stator electrical time constant	0.85 ms at 20 °C
Type of cooling	Natural convection
Length	73.4 mm
Centring collar diameter	30 mm
Centring collar depth	2.5 mm
Number of mounting holes	4
Mounting holes diameter	4.5 mm
Circle diameter of the mounting holes	46 mm
Product weight	0.4 kg

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant 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