



Main

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

Complementary

Maximum mechanical speed	4000 rpm
[Us] rated supply voltage	115...480 V
Network number of phases	Three phase
Continuous stall current	7.8 A
Continuous stall torque	11.1 N.m at 115...480 V three phase
Peak stall torque	27 N.m at 115...480 V three phase
Nominal output power	3170 W at 480 V three phase 2890 W at 400 V three phase 1670 W at 230 V three phase 860 W at 115 V three phase
Nominal torque	8.4 N.m at 480 V three phase 9.2 N.m at 400 V three phase 10.6 N.m at 230 V three phase 10.95 N.m at 115 V three phase
Nominal speed	3600 rpm at 480 V three phase 3000 rpm at 400 V three phase 1500 rpm at 230 V three phase 750 rpm at 115 V three phase
Maximum current Irms	20.8 A
Shaft end	Smooth shaft
Shaft diameter	24 mm
Shaft length	50 mm
Key width	8 mm
IP degree of protection	IP65 (shaft bushing) conforming to EN/IEC 60034-5 IP65 (motor) conforming to EN/IEC 60034-5 IP54 (shaft bushing without shaft seal ring) conforming to EN/IEC 60034-5
Encoder type	Absolute multiturn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	Without
Holding torque	23 N.m
Mounting support	International standard flange
Motor flange size	140 mm
Electrical connection	Rotatable right angled connector
Torque constant	1.43 N.m/A at -20...40 °C
Back emf constant	100 V/krpm at 20 °C

Number of motor poles	5
Rotor inertia	7.41 kg.cm ²
Stator resistance	1.41 Ohm at -20...40 °C
Stator inductance	23.72 mH at -20...40 °C
Maximum radial force Fr	1340 N at 3000 rpm 1530 N at 2000 rpm 1930 N at 1000 rpm
Maximum axial force Fa	300 N
Type of cooling	Natural convection
Length	217.5 mm
Centring collar diameter	95 mm
Centring collar depth	3.5 mm
Number of mounting holes	4
Mounting holes diameter	11 mm
Circle diameter of the mounting holes	165 mm
Product weight	11.9 kg

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1036 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental
Product end of life instructions	Need no specific recycling operations