



Main

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

Complementary

Maximum mechanical speed	6000 rpm
[Us] rated supply voltage	115...480 V
Network number of phases	Three phase
Continuous stall current	6.2 A
Continuous stall torque	10 N.m at 115...480 V three phase
Peak stall torque	40.5 N.m at 115...480 V three phase
Nominal output power	2600 W at 480 V three phase 2480 W at 400 V three phase 1490 W at 230 V three phase 780 W at 115 V three phase
Nominal torque	6.9 N.m at 480 V three phase 7.9 N.m at 400 V three phase 9.5 N.m at 230 V three phase 9.9 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	32.3 A
Shaft end	Parallel key
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	With
Holding torque	12 N.m
Mounting support	International standard flange
Motor flange size	100 mm
Electrical connection	Rotatable right angled connector
Torque constant	1.62 N.m/A at -20...40 °C
Back emf constant	103 V/krpm at 20 °C

Number of motor poles	4
Rotor inertia	5.245 kg.cm ²
Stator resistance	1.81 Ohm at -20...40 °C
Stator inductance	18.35 mH at -20...40 °C
Maximum radial force Fr	740 N at 3000 rpm 850 N at 2000 rpm 1070 N at 1000 rpm
Maximum axial force Fa	160 N
Type of cooling	Natural convection
Length	307.5 mm
Centring collar diameter	95 mm
Centring collar depth	3.5 mm
Number of mounting holes	4
Mounting holes diameter	9 mm
Circle diameter of the mounting holes	115 mm
Product weight	9.9 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