



Main

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

Complementary

Maximum mechanical speed	8000 rpm
[Us] rated supply voltage	115...480 V
Network number of phases	Three phase
Continuous stall current	4.1 A
Continuous stall torque	3.1 N.m at 115...480 V three phase
Peak stall torque	11.3 N.m at 115...480 V three phase
Nominal output power	1550 W at 480 V three phase 1450 W at 400 V three phase 880 W at 230 V three phase 460 W at 115 V three phase
Nominal torque	2.05 N.m at 480 V three phase 2.3 N.m at 400 V three phase 2.8 N.m at 230 V three phase 2.95 N.m at 115 V three phase
Nominal speed	7200 rpm at 480 V three phase 6000 rpm at 400 V three phase 3000 rpm at 230 V three phase 1500 rpm at 115 V three phase
Maximum current Irms	17 A
Shaft end	Smooth shaft
Shaft diameter	14 mm
Shaft length	30 mm
Key width	5 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	2 N.m
Mounting support	International standard flange
Motor flange size	70 mm
Electrical connection	Rotatable right angled connector
Torque constant	0.78 N.m/A at -20...40 °C
Back emf constant	49 V/krpm at 20 °C

Number of motor poles	3
Rotor inertia	0.807 kg.cm ²
Stator resistance	2.7 Ohm at -20...40 °C
Stator inductance	20.3 mH at -20...40 °C
Maximum radial force Fr	400 N at 6000 rpm 430 N at 5000 rpm 460 N at 4000 rpm 510 N at 3000 rpm 580 N at 2000 rpm 730 N at 1000 rpm
Maximum axial force Fa	80 N
Type of cooling	Natural convection
Length	254 mm
Centring collar diameter	60 mm
Centring collar depth	2.5 mm
Number of mounting holes	4
Mounting holes diameter	5.5 mm
Circle diameter of the mounting holes	82 mm
Product weight	3.8 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