



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	2.9 A
Continuous stall torque	2.2 N.m at 115...480 V three phase
Peak stall torque	7.6 N.m at 115...480 V three phase
Nominal output power	340 W at 115 V three phase 1360 W at 480 V three phase 660 W at 230 V three phase 1190 W at 400 V three phase
Nominal torque	2.1 N.m at 230 V three phase 1.8 N.m at 480 V three phase 2.15 N.m at 115 V three phase 1.9 N.m at 400 V three phase
Nominal speed	6000 rpm at 400 V three phase 1500 rpm at 115 V three phase 3000 rpm at 230 V three phase 7200 rpm at 480 V three phase
Maximum current Irms	11.8 A
Shaft end	Parallel key
Shaft diameter	11 mm
Shaft length	23 mm
Key width	4 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	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	0.77 N.m/A at 120 °C
Back emf constant	48 V/krpm at 20 °C
Number of motor poles	3
Rotor inertia	0.482 kg.cm ²
Stator resistance	4.2 Ohm
Stator inductance	29.65 mH
Maximum radial force Fr	390 N at 6000 rpm 410 N at 5000 rpm 450 N at 4000 rpm 490 N at 3000 rpm 560 N at 2000 rpm 710 N at 1000 rpm
Maximum axial force Fa	80 N
Type of cooling	Natural convection
Length	212.5 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 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

Contractual warranty

Warranty period	18 months
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