



Main

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

Complementary

Maximum mechanical speed	8000 rpm
[Us] rated supply voltage	115...480 V
Network number of phases	Three phase
Continuous stall current	2.1 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	880 W at 400 V three phase 240 W at 115 V three phase 460 W at 230 V three phase 1030 W at 480 V three phase
Nominal torque	3.05 N.m at 115 V three phase 2.95 N.m at 230 V three phase 2.72 N.m at 480 V three phase 2.8 N.m at 400 V three phase
Nominal speed	750 rpm at 115 V three phase 1500 rpm at 230 V three phase 3000 rpm at 400 V three phase 3600 rpm at 480 V three phase
Maximum current I _{rms}	8.7 A
Shaft end	Smooth shaft
Shaft diameter	14 mm
Shaft length	30 mm
Key width	5 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 single turn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	Without
Holding torque	2 N.m
Mounting support	International standard flange
Motor flange size	70 mm
Electrical connection	Rotatable right angled connector
Torque constant	1.48 N.m/A at 120 °C
Back emf constant	95 V/krpm at 20 °C
Number of motor poles	3
Rotor inertia	0.58 kg.cm ²
Stator resistance	10.7 Ohm
Stator inductance	76.85 mH
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	220 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	3.6 kg

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1036 - Schneider Electric declaration of conformity 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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