



Main

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

Complementary

Maximum mechanical speed	6000 rpm
[Us] rated supply voltage	115...480 V
Network number of phases	Three phase
Continuous stall current	1.8 A
Continuous stall torque	3.3 N.m at 115...480 V three phase
Peak stall torque	9.6 N.m at 115...480 V three phase
Nominal output power	930 W at 480 V three phase 790 W at 400 V three phase 410 W at 230 V three phase 210 W at 115 V three phase
Nominal torque	2.95 N.m at 480 V three phase 3 N.m at 400 V three phase 3.15 N.m at 230 V three phase 3.2 N.m at 115 V three phase
Nominal speed	3000 rpm at 480 V three phase 2500 rpm at 400 V three phase 1250 rpm at 230 V three phase 625 rpm at 115 V three phase
Maximum current Irms	6.3 A
Shaft end	Smooth shaft
Shaft diameter	19 mm
Shaft length	40 mm
Key width	6 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 single turn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	Without
Holding torque	9 N.m
Mounting support	International standard flange
Motor flange size	100 mm
Electrical connection	Straight connector
Torque constant	1.83 N.m/A at -20...40 °C
Back emf constant	115 V/krpm at 20 °C
Number of motor poles	4
Rotor inertia	1.4 kg.cm²
Stator resistance	13.9 Ohm at -20...40 °C

Stator inductance	99.15 mH at -20...40 °C
Maximum radial force Fr	530 N at 5000 rpm 570 N at 4000 rpm 630 N at 3000 rpm 720 N at 2000 rpm 900 N at 1000 rpm
Maximum axial force Fa	160 N
Type of cooling	Natural convection
Length	168.5 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	4.3 kg