



## Main

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

## Complementary

Maximum mechanical speed	9000 rpm
[Us] rated supply voltage	115...480 V
Network number of phases	Three phase
Continuous stall current	1.7 A
Continuous stall torque	1.2 N.m at 115...480 V three phase
Peak stall torque	3.5 N.m at 115...480 V three phase
Nominal output power	240 W at 115 V three phase 460 W at 230 V three phase 880 W at 400 V three phase 970 W at 480 V three phase
Nominal torque	1.13 N.m at 115 V three phase 1.1 N.m at 230 V three phase 1.05 N.m at 400 V three phase 1.03 N.m at 480 V three phase
Nominal speed	4000 rpm at 230 V three phase 9000 rpm at 480 V three phase 2000 rpm at 115 V three phase 8000 rpm at 400 V three phase
Maximum current Irms	6.5 A
Shaft end	Smooth shaft
Shaft diameter	9 mm
Shaft length	20 mm
IP degree of protection	IP65 motor: conforming to EN/IEC 60034-5 IP65 shaft bushing: conforming to EN/IEC 60034-5

Encoder type	Absolute multitrans SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	Without
Mounting support	International standard flange
Motor flange size	55 mm
Torque constant	0.7 N.m/A at 120 °C
Back emf constant	41 V/krpm at 20 °C
Number of motor poles	3
Rotor inertia	0.134 kg.cm <sup>2</sup>
Stator resistance	10.4 Ohm
Stator inductance	37.98 mH
Maximum radial force Fr	190 N at 8000 rpm 390 N at 1000 rpm 310 N at 2000 rpm 270 N at 3000 rpm 240 N at 4000 rpm 230 N at 5000 rpm 210 N at 6000 rpm 200 N at 7000 rpm
Maximum axial force Fa	40 N
Type of cooling	Natural convection
Length	176.5 mm
Centring collar diameter	40 mm
Centring collar depth	2 mm
Number of mounting holes	4
Mounting holes diameter	5.5 mm
Circle diameter of the mounting holes	63 mm
Product weight	1.8 kg

### Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	No need of specific recycling operations
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

### Contractual warranty

Warranty	18 months
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