



## 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	0.73 A
Continuous stall torque	0.5 N.m at 115...480 V three phase
Peak stall torque	1.5 N.m at 115...480 V three phase
Nominal output power	100 W at 115 V three phase 210 W at 230 V three phase 400 W at 400 V three phase 440 W at 480 V three phase
Nominal torque	0.5 N.m at 115 V three phase 0.5 N.m at 230 V three phase 0.48 N.m at 400 V three phase 0.47 N.m at 480 V three phase
Nominal speed	9000 rpm at 480 V three phase 2000 rpm at 115 V three phase 8000 rpm at 230 V three phase 8000 rpm at 400 V three phase
Maximum current Irms	2.9 A
Shaft end	Smooth shaft
Shaft diameter	9 mm
Shaft length	20 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	Without
Mounting support	International standard flange
Motor flange size	55 mm
Torque constant	0.68 N.m/A at 120 °C
Back emf constant	40 V/krpm at 20 °C
Number of motor poles	3
Rotor inertia	0.059 kg.cm <sup>2</sup>
Stator resistance	41.8 Ohm
Stator inductance	108.72 mH
Maximum radial force Fr	340 N at 1000 rpm 270 N at 2000 rpm 240 N at 3000 rpm 220 N at 4000 rpm 200 N at 5000 rpm 190 N at 6000 rpm 180 N at 7000 rpm 170 N at 8000 rpm
Maximum axial force Fa	40 N
Type of cooling	Natural convection
Length	132.5 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	1.2 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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