



## 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	1.8 A
Continuous stall torque	1.25 N.m at 115...480 V three phase
Continuous power	690 W
Peak stall torque	3.5 N.m at 115...480 V three phase
Nominal output power	220 W at 115 V single phase 440 W at 230 V single phase 820 W at 400 V three phase 950 W at 480 V three phase
Nominal torque	1.4 N.M at 115 V single phase 1.4 N.M at 230 V single phase 1.1 N.M at 400 V three phase 1.1 N.m at 480 V three phase
Nominal speed	1500 rpm at 115 V single phase 3000 rpm at 230 V single phase 6000 rpm at 400 V three phase 7200 rpm at 480 V three phase
Maximum current Irms	5.7 A
Shaft end	Smooth shaft
Shaft diameter	11 mm
Shaft length	23 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	With
Holding torque	2 N.m
Mounting support	International standard flange
Motor flange size	70 mm
Electrical connection	Straight connector
Torque constant	0.69 N.m/A at 120 °C
Back emf constant	46 V/krpm at 20 °C
Number of motor poles	3

Rotor inertia	0.322 kg.cm <sup>2</sup>
Stator resistance	10.4 Ohm
Stator inductance	60.25 mH
Maximum radial force Fr	660 N at 1000 rpm 520 N at 2000 rpm 460 N at 3000 rpm 410 N at 4000 rpm 380 N at 5000 rpm 360 N at 6000 rpm
Maximum axial force Fa	80 N
Type of cooling	Natural convection
Length	179.5 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
Net weight	2.3 kg

### Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	2.92 kg
Package 1 Height	11.5 cm
Package 1 width	19.0 cm
Package 1 Length	39.5 cm

### Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
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>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
PVC free	Yes

### Contractual warranty

Warranty	18 months
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