



Main

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

Complementary

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|---------------------------|--|
| Maximum mechanical speed | 8000 rpm |
| [Us] rated supply voltage | 115...480 V |
| Network number of phases | Three phase |
| Continuous stall current | 4.1 A |
| Continuous stall torque | 2.94 N.m at 115...480 V three phase |
| Continuous power | 1330 W |
| Peak stall torque | 11.3 N.m at 115...480 V three phase |
| Nominal output power | 460 W at 115 V single phase 880 W at 230 V single phase 1450 W at 400 V three phase 1550 W at 480 V three phase |
| Nominal torque | 2.95 N.M at 115 V single phase 2.8 N.M at 230 V single phase 2.1 N.M at 400 V three phase 2.1 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 | 17 A |
| Shaft end | Parallel key |
| Shaft diameter | 14 mm |
| Shaft length | 30 mm |
| Key width | 5 mm |
| IP degree of protection | IP65 motor: conforming to IEC 60034-5 IP65 shaft bushing: conforming to IEC 60034-5 |
| Encoder type | Absolute multiturn SinCos Hiperface |
| Speed feedback resolution | 128 periods |
| Holding brake | With |
| Holding torque | 3 N.m |
| Mounting support | International standard flange |
| Motor flange size | 70 mm |
| Electrical connection | Rotatable right angled connector |
| Torque constant | 0.72 N.m/A at 120 °C |
| Back emf constant | 49 V/krpm at 20 °C |

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| Number of motor poles | 3 |
| Rotor inertia | 0.807 kg.cm ² |
| Stator resistance | 2.7 Ohm |
| Stator inductance | 20.3 mH |
| Maximum radial force Fr | 730 N at 1000 rpm 580 N at 2000 rpm 510 N at 3000 rpm 460 N at 4000 rpm 430 N at 5000 rpm 400 N at 6000 rpm |
| Maximum axial force Fa | 80 N |
| Type of cooling | Natural convection |
| Length | 254 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 | 3.8 kg |

Packing Units

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|------------------------------|----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 11.5 cm |
| Package 1 Width | 19.0 cm |
| Package 1 Length | 39.5 cm |
| Package 1 Weight | 4.454 kg |

Offer Sustainability

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|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation |  REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| Mercury free | Yes |
| China RoHS Regulation |  China RoHS Declaration |
| RoHS exemption information |  Yes |
| Environmental Disclosure |  Product Environmental Profile |
| 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 |
| PVC free | Yes |

Contractual warranty

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| Warranty | 18 months |
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