



Main

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

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 | 1.8 A |
| Continuous stall torque | 12.39 lbf.in (1.4 N.m) 115...480 V three phase |
| Peak stall torque | 30.98 lbf.in (3.5 N.m) 115...480 V three phase |
| Nominal output power | 220 W 115 V three phase 440 W 230 V three phase 820 W 400 V three phase 950 W 480 V three phase |
| Nominal torque | 12.39 lbf.in (1.4 N.m) 115 V three phase 12.39 lbf.in (1.4 N.m) 230 V three phase 11.51 lbf.in (1.3 N.m) 400 V three phase 11.15 lbf.in (1.26 N.m) 480 V three phase |
| Nominal speed | 1500 rpm 115 V three phase 3000 rpm 230 V three phase 6000 rpm 400 V three phase 7200 rpm 480 V three phase |
| Maximum current Irms | 5.7 A |
| Shaft end | Parallel key |
| Shaft diameter | 0.43 in (11 mm) |
| Shaft length | 0.91 in (23 mm) |
| Key width | 0.16 in (4 mm) |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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|---------------------------------------|--|
| IP degree of protection | Motor IP65 EN/IEC 60034-5 Shaft bushing IP65 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 | 2.76 in (70 mm) |
| Torque constant | 0.8 N.m/A 248 °F (120 °C) |
| Back emf constant | 46 V/krpm 68 °F (20 °C) |
| Number of motor poles | 3 |
| Rotor inertia | 0.25 kg.cm ² |
| Stator resistance | 10.4 Ohm |
| Stator inductance | 60.25 mH |
| Maximum radial force Fr | 660 N 1000 rpm 520 N 2000 rpm 460 N 3000 rpm 410 N 4000 rpm 380 N 5000 rpm 360 N 6000 rpm |
| Maximum axial force Fa | 80 N |
| Type of cooling | Natural convection |
| Length | 6.06 in (154 mm) |
| Centring collar diameter | 2.36 in (60 mm) |
| Centring collar depth | 0.10 in (2.5 mm) |
| Number of mounting holes | 4 |
| Mounting holes diameter | 0.22 in (5.5 mm) |
| Circle diameter of the mounting holes | 3.23 in (82 mm) |
| Net weight | 4.63 lb(US) (2.1 kg) |

Packing Units

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| Package 1 Weight | 4.62 lb(US) (2.096 kg) |
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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) EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS declaration |
| Environmental Disclosure | Product Environmental Profile |
| 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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