



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 | 9000 rpm |
| [Us] rated supply voltage | 115...480 V |
| Network number of phases | Three phase |
| Continuous stall current | 1.7 A |
| Continuous stall torque | 10.62 lbf.in (1.2 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 | 240 W 115 V three phase 460 W 230 V three phase 880 W 400 V three phase 970 W 480 V three phase |
| Nominal torque | 10.00 lbf.in (1.13 N.m) 115 V three phase 9.74 lbf.in (1.1 N.m) 230 V three phase 9.29 lbf.in (1.05 N.m) 400 V three phase 9.12 lbf.in (1.03 N.m) 480 V three phase |
| Nominal speed | 4000 rpm at 230 V three phase 9000 rpm at 480 V three phase 2000 rpm 115 V three phase 8000 rpm 400 V three phase |
| Maximum current Irms | 6.5 A |
| Shaft end | Smooth shaft |
| Shaft diameter | 0.35 in (9 mm) |
| Shaft length | 0.79 in (20 mm) |
| IP degree of protection | Motor IP65 EN/IEC 60034-5 |

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.

Shaft bushing IP65 EN/IEC 60034-5
Housing IP67 EN/IEC 60034-5

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|---------------------------------------|--|
| Encoder type | Absolute multiturn SinCos Hiperface |
| Speed feedback resolution | 128 periods |
| Holding brake | With |
| Holding torque | 7.08 lbf.in (0.8 N.m) |
| Mounting support | International standard flange |
| Motor flange size | 2.17 in (55 mm) |
| Torque constant | 0.7 N.m/A at 120 °C |
| Back emf constant | 41 V/krpm 68 °F (20 °C) |
| Number of motor poles | 3 |
| Rotor inertia | 0.155 kg.cm ² |
| Stator resistance | 10.4 Ohm |
| Stator inductance | 37.98 mH |
| Maximum radial force Fr | 190 N 8000 rpm 390 N 1000 rpm 310 N 2000 rpm 270 N 3000 rpm 240 N 4000 rpm 230 N 5000 rpm 210 N 6000 rpm 200 N 7000 rpm |
| Maximum axial force Fa | 40 N |
| Type of cooling | Natural convection |
| Length | 7.99 in (203 mm) |
| Centring collar diameter | 1.57 in (40 mm) |
| Centring collar depth | 0.08 in (2 mm) |
| Number of mounting holes | 4 |
| Mounting holes diameter | 0.22 in (5.5 mm) |
| Circle diameter of the mounting holes | 2.48 in (63 mm) |
| Net weight | 4.19 lb(US) (1.9 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) 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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