



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 | 2.9 A |
| Continuous stall torque | 2.04 N.m at 115...480 V three phase |
| Continuous power | 1130 W |
| Peak stall torque | 7.6 N.m at 115...480 V three phase |
| Nominal output power | 340 W at 115 V single phase 660 W at 230 V single phase 1190 W at 400 V three phase 1360 W at 480 V three phase |
| Nominal torque | 2.15 N.M at 115 V single phase 2.1 N.M at 230 V single phase 1.8 N.M at 400 V three phase 1.8 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 | 11.8 A |
| Shaft end | Parallel key |
| Shaft diameter | 11 mm |
| Shaft length | 23 mm |
| Key width | 4 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 | 70 mm |
| Electrical connection | Straight connector |
| Torque constant | 0.7 N.m/A at 120 °C |
| Back emf constant | 48 V/krpm at 20 °C |

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|---------------------------------------|--|
| Number of motor poles | 3 |
| Rotor inertia | 0.41 kg.cm ² |
| Stator resistance | 4.2 Ohm |
| Stator inductance | 29.65 mH |
| Maximum radial force Fr | 710 N at 1000 rpm 560 N at 2000 rpm 490 N at 3000 rpm 450 N at 4000 rpm 410 N at 5000 rpm 390 N at 6000 rpm |
| Maximum axial force Fa | 80 N |
| Type of cooling | Natural convection |
| Length | 187 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 | 2.8 kg |

Packing Units

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|------------------------------|---------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 30.0 cm |
| Package 1 Width | 30.0 cm |
| Package 1 Length | 40.0 cm |
| Package 1 Weight | 3.3 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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