



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 | 1.12 A |
| Continuous stall torque | 0.21 N.m at 115...480 V three phase |
| Continuous power | 220 W |
| Peak stall torque | 0.8 N.m at 480 V three phase |
| Nominal output power | 77 W at 115 V three phase 77 W at 230 V three phase 166 W at 400 V three phase 166 W at 480 V three phase |
| Nominal torque | 0.176 N.m at 115 V three phase 0.176 N.m at 230 V three phase 0.184 N.m at 400 V three phase 0.184 N.m at 480 V three phase |
| Nominal speed | 9000 rpm at 480 V three phase 4000 rpm at 115 V three phase 9000 rpm at 400 V three phase 4000 rpm at 230 V three phase |
| Maximum current Irms | 4.7 A |
| Shaft end | Smooth shaft |
| Shaft diameter | 8 mm |
| Shaft length | 25 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 |

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|---------------------------------------|---------------------------------------|
| Encoder type | Absolute single turn SinCos Hiperface |
| Speed feedback resolution | 16 periods |
| Holding brake | Without |
| Mounting support | International standard flange |
| Motor flange size | 40 mm |
| Electrical connection | Rotatable right angled connector |
| Torque constant | 0.19 N.m/A at 120 °C |
| Back emf constant | 13.6 V/krpm at 20 °C |
| Number of motor poles | 5 |
| Rotor inertia | 0.0232 kg.cm ² |
| Stator resistance | 17.2 Ohm |
| Stator inductance | 14.6 mH |
| Stator electrical time constant | 0.85 ms at 20 °C |
| Type of cooling | Natural convection |
| Length | 73.4 mm |
| Centring collar diameter | 30 mm |
| Centring collar depth | 2.5 mm |
| Number of mounting holes | 4 |
| Mounting holes diameter | 4.5 mm |
| Circle diameter of the mounting holes | 46 mm |
| Product weight | 0.4 kg |

Offer Sustainability

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|----------------------------------|--|
| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold |
| Product environmental profile | Available |
| Product end of life instructions | Need no specific recycling operations |