



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 | 2.9 A |
| Continuous stall torque | 2.2 N.m at 115...480 V three phase |
| Peak stall torque | 7.6 N.m at 115...480 V three phase |
| Nominal output power | 1360 W at 480 V three phase 1190 W at 400 V three phase 660 W at 230 V three phase 340 W at 115 V three phase |
| Nominal torque | 1.8 N.m at 480 V three phase 1.9 N.m at 400 V three phase 2.1 N.m at 230 V three phase 2.15 N.m at 115 V three phase |
| Nominal speed | 7200 rpm at 480 V three phase 6000 rpm at 400 V three phase 3000 rpm at 230 V three phase 1500 rpm at 115 V three phase |
| Maximum current Irms | 11.8 A |
| Shaft end | Smooth shaft |
| Shaft diameter | 11 mm |
| Shaft length | 23 mm |
| Key width | 4 mm |
| IP degree of protection | IP65 (shaft bushing) conforming to EN/IEC 60034-5 IP65 (motor) conforming to EN/IEC 60034-5 |
| Encoder type | Absolute single turn SinCos Hiperface |
| Speed feedback resolution | 128 periods |
| Holding brake | With |
| Holding torque | 2 N.m |
| Mounting support | International standard flange |
| Motor flange size | 70 mm |
| Electrical connection | Rotatable right angled connector |
| Torque constant | 0.77 N.m/A at -20...40 °C |
| Back emf constant | 48 V/krpm at 20 °C |

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|---------------------------------------|--|
| Number of motor poles | 3 |
| Rotor inertia | 0.482 kg.cm ² |
| Stator resistance | 4.2 Ohm at -20...40 °C |
| Stator inductance | 29.65 mH at -20...40 °C |
| Maximum radial force Fr | 390 N at 6000 rpm 410 N at 5000 rpm 450 N at 4000 rpm 490 N at 3000 rpm 560 N at 2000 rpm 710 N at 1000 rpm |
| Maximum axial force Fa | 80 N |
| Type of cooling | Natural convection |
| Length | 212.5 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 |
| Product weight | 3 kg |

Offer Sustainability

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|----------------------------------|---|
| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 1036 - Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold |
| Product environmental profile | Available Download Product Environmental |
| Product end of life instructions | Need no specific recycling operations |