



## Main

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

## Complementary

|                           |  |
|---------------------------|--|
| Maximum mechanical speed  | 9000 rpm   |
| [Us] rated supply voltage | 115...480 V  |
| Network number of phases  | Three phase  |
| Continuous stall current  | 0.6 A  |
| Continuous stall torque   | 7.08 lbf.in (0.8 N.m) 115...480 V three phase  |
| Peak stall torque         | 22.13 lbf.in (2.5 N.m) 115...480 V three phase   |
| Nominal output power      | 160 W 115 V three phase<br>310 W 230 V three phase<br>600 W 400 V three phase<br>670 W 480 V three phase   |
| Nominal torque            | 6.82 lbf.in (0.77 N.m) 115 V three phase<br>6.64 lbf.in (0.75 N.m) 230 V three phase<br>6.37 lbf.in (0.72 N.m) 400 V three phase<br>6.28 lbf.in (0.71 N.m) 480 V three phase |
| Nominal speed             | 4000 rpm at 230 V three phase<br>9000 rpm at 480 V three phase<br>2000 rpm 115 V three phase<br>8000 rpm 400 V three phase   |
| Maximum current Irms      | 4.8 A  |
| Shaft end                 | Parallel key   |
| Shaft diameter            | 0.35 in (9 mm)   |
| Shaft length              | 0.79 in (20 mm)  |
| Key width                 | 0.12 in (3 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.

|                                       |  |
|---------------------------------------|--|
| IP degree of protection               | Motor IP65 EN/IEC 60034-5<br>Shaft bushing IP65 EN/IEC 60034-5<br>Housing IP67 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                     | 2.17 in (55 mm)  |
| Torque constant                       | 0.7 N.m/A at 120 °C  |
| Back emf constant                     | 40 V/krpm 68 °F (20 °C)  |
| Number of motor poles                 | 3  |
| Rotor inertia                         | 0.096 kg.cm <sup>2</sup>   |
| Stator resistance                     | 17.4 Ohm   |
| Stator inductance                     | 53.54 mH   |
| Maximum radial force Fr               | 370 N 1000 rpm<br>290 N 2000 rpm<br>260 N 3000 rpm<br>230 N 4000 rpm<br>220 N 5000 rpm<br>200 N 6000 rpm<br>190 N 7000 rpm<br>190 N 8000 rpm |
| Maximum axial force Fa                | 40 N   |
| Type of cooling                       | Natural convection   |
| Length                                | 6.08 in (154.4 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                            | 3.31 lb(US) (1.5 kg)   |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| REACH Regulation           | <a href="#">REACH Declaration</a>   |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)<br><a href="#">EU RoHS Declaration</a>                           |
| Mercury free               | Yes   |
| RoHS exemption information | <a href="#">Yes</a>   |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a>  |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>   |
| 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

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|