



## 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  | 0.73 A   |
| Continuous stall torque   | 4.43 lbf.in (0.5 N.m) 115...480 V three phase  |
| Peak stall torque         | 13.28 lbf.in (1.5 N.m) 115...480 V three phase   |
| Nominal output power      | 100 W 115 V three phase<br>210 W 230 V three phase<br>400 W 400 V three phase<br>440 W 480 V three phase   |
| Nominal torque            | 4.43 lbf.in (0.5 N.m) 115 V three phase<br>4.43 lbf.in (0.5 N.m) 230 V three phase<br>4.25 lbf.in (0.48 N.m) 400 V three phase<br>4.16 lbf.in (0.47 N.m) 480 V three phase |
| Nominal speed             | 9000 rpm at 480 V three phase<br>2000 rpm 115 V three phase<br>8000 rpm 230 V three phase<br>8000 rpm 400 V three phase  |
| Maximum current Irms      | 2.9 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               | IP54 shaft bushing without shaft seal ring: conforming to EN/IEC 60034-5<br>Motor IP65 EN/IEC 60034-5<br>Shaft bushing IP65 EN/IEC 60034-5   |
| Encoder type                          | Absolute single turn 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                       | 0.68 N.m/A 248 °F (120 °C)   |
| Back emf constant                     | 40 V/krpm 68 °F (20 °C)  |
| Number of motor poles                 | 3  |
| Rotor inertia                         | 0.08 kg.cm <sup>2</sup>  |
| Stator resistance                     | 41.8 Ohm   |
| Stator inductance                     | 108.72 mH  |
| Maximum radial force Fr               | 340 N 1000 rpm<br>270 N 2000 rpm<br>240 N 3000 rpm<br>220 N 4000 rpm<br>200 N 5000 rpm<br>190 N 6000 rpm<br>180 N 7000 rpm<br>170 N 8000 rpm |
| Maximum axial force Fa                | 40 N   |
| Type of cooling                       | Natural convection   |
| Length                                | 6.26 in (159 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                            | 2.87 lb(US) (1.3 kg)   |

## Packing Units

|                  |                        |
|------------------|------------------------|
| Package 1 Weight | 2.64 lb(US) (1.197 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 |
|----------|-----------|