



## 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  | 1.7 A  |
| Continuous stall torque   | 1.2 N.m at 115...480 V three phase   |
| Peak stall torque         | 3.5 N.m at 115...480 V three phase   |
| Nominal output power      | 240 W at 115 V three phase<br>460 W at 230 V three phase<br>880 W at 400 V three phase<br>970 W at 480 V three phase             |
| Nominal torque            | 1.13 N.m at 115 V three phase<br>1.1 N.m at 230 V three phase<br>1.05 N.m at 400 V three phase<br>1.03 N.m at 480 V three phase  |
| Nominal speed             | 4000 rpm at 230 V three phase<br>9000 rpm at 480 V three phase<br>2000 rpm at 115 V three phase<br>8000 rpm at 400 V three phase |
| Maximum current Irms      | 6.5 A  |
| Shaft end                 | Smooth shaft   |
| Shaft diameter            | 9 mm   |
| Shaft length              | 20 mm  |
| IP degree of protection   | IP65 motor: conforming to EN/IEC 60034-5<br>IP65 shaft bushing: conforming to EN/IEC 60034-5                                     |

IP67 housing: conforming to EN/IEC 60034-5

|                                       |  |
|---------------------------------------|--|
| Encoder type                          | Absolute multiturn SinCos Hiperface  |
| Speed feedback resolution             | 128 periods  |
| Holding brake                         | With   |
| Holding torque                        | 0.8 N.m  |
| Mounting support                      | International standard flange  |
| Motor flange size                     | 55 mm  |
| Torque constant                       | 0.7 N.m/A at 120 °C  |
| Back emf constant                     | 41 V/krpm at 20 °C   |
| Number of motor poles                 | 3  |
| Rotor inertia                         | 0.155 kg.cm <sup>2</sup>   |
| Stator resistance                     | 10.4 Ohm   |
| Stator inductance                     | 37.98 mH   |
| Maximum radial force Fr               | 190 N at 8000 rpm<br>390 N at 1000 rpm<br>310 N at 2000 rpm<br>270 N at 3000 rpm<br>240 N at 4000 rpm<br>230 N at 5000 rpm<br>210 N at 6000 rpm<br>200 N at 7000 rpm |
| Maximum axial force Fa                | 40 N   |
| Type of cooling                       | Natural convection   |
| Length                                | 203 mm   |
| Centring collar diameter              | 40 mm  |
| Centring collar depth                 | 2 mm   |
| Number of mounting holes              | 4  |
| Mounting holes diameter               | 5.5 mm   |
| Circle diameter of the mounting holes | 63 mm  |
| Product weight                        | 1.9 kg   |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| 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>   |
| 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 |

## Contractual warranty

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