



## Main

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

## Complementary

|                           |  |
|---------------------------|--|
| Maximum mechanical speed  | 6000 rpm   |
| [Us] rated supply voltage | 115...480 V  |
| Network number of phases  | Three phase  |
| Continuous stall current  | 3.5 A  |
| Continuous stall torque   | 2.94 N.m at 115...480 V three phase  |
| Continuous power          | 1190 W   |
| Peak stall torque         | 9.6 N.m at 115...480 V three phase   |
| Nominal output power      | 410 W at 115 V single phase<br>790 W at 230 V single phase<br>1410 W at 400 V three phase<br>1630 W at 480 V three phase           |
| Nominal torque            | 2.91 N.M at 115 V single phase<br>2.64 N.M at 230 V single phase<br>2.27 N.M at 400 V three phase<br>2.27 N.m at 480 V three phase |
| Nominal speed             | 1250 rpm at 115 V single phase<br>2500 rpm at 230 V single phase<br>5000 rpm at 400 V three phase<br>6000 rpm at 480 V three phase |
| Maximum current Irms      | 12 A   |
| Shaft end                 | Parallel key   |
| Shaft diameter            | 19 mm  |
| Shaft length              | 40 mm  |
| Key width                 | 6 mm   |
| IP degree of protection   | IP65 motor: conforming to IEC 60034-5<br>IP65 shaft bushing: conforming to IEC 60034-5   |
| Encoder type              | Absolute single turn SinCos Hiperface  |
| Speed feedback resolution | 128 periods  |
| Holding brake             | Without  |
| Mounting support          | International standard flange  |
| Motor flange size         | 100 mm   |
| Electrical connection     | Rotatable right angled connector   |
| Torque constant           | 0.84 N.m/A at 120 °C   |
| Back emf constant         | 60 V/krpm at 20 °C   |
| Number of motor poles     | 4  |

|                                       |   |
|---------------------------------------|---|
| Rotor inertia                         | 1.4 kg.cm <sup>2</sup>  |
| Stator resistance                     | 3.8 Ohm   |
| Stator inductance                     | 27.15 mH  |
| Maximum radial force Fr               | 900 N at 1000 rpm<br>720 N at 2000 rpm<br>630 N at 3000 rpm<br>570 N at 4000 rpm<br>530 N at 5000 rpm |
| Maximum axial force Fa                | 160 N   |
| Type of cooling                       | Natural convection  |
| Length                                | 168.5 mm  |
| Centring collar diameter              | 95 mm   |
| Centring collar depth                 | 3.5 mm  |
| Number of mounting holes              | 4   |
| Mounting holes diameter               | 9.0 mm  |
| Circle diameter of the mounting holes | 115 mm  |
| Net weight                            | 4.3 kg  |

### Packing Units

|                              |         |
|------------------------------|---------|
| Unit Type of Package 1       | PCE     |
| Number of Units in Package 1 | 1       |
| Package 1 Height             | 21.0 cm |
| Package 1 Width              | 18.0 cm |
| Package 1 Length             | 35.6 cm |
| Package 1 Weight             | 4.9 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)  |
| Mercury free               | Yes   |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>  |
| RoHS exemption information | <a href="#">Yes</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 |
| PVC free                   | Yes   |

### Contractual warranty

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