



## 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  | 1.12 A                                                                                                                               |
| Continuous stall torque   | 0.21 N.m at 115...480 V three phase                                                                                                  |
| Continuous power          | 220 W                                                                                                                                |
| Peak stall torque         | 0.8 N.m at 480 V three phase                                                                                                         |
| Nominal output power      | 77 W at 115 V three phase<br>77 W at 230 V three phase<br>166 W at 400 V three phase<br>166 W at 480 V three phase                   |
| Nominal torque            | 0.176 N.m at 115 V three phase<br>0.176 N.m at 230 V three phase<br>0.184 N.m at 400 V three phase<br>0.184 N.m at 480 V three phase |
| Nominal speed             | 4000 rpm at 115 V three phase<br>4000 rpm at 230 V three phase<br>9000 rpm at 400 V three phase<br>9000 rpm at 480 V three phase     |
| Maximum current Irms      | 4.7 A                                                                                                                                |
| Shaft end                 | Parallel key                                                                                                                         |
| Shaft diameter            | 8 mm                                                                                                                                 |
| Shaft length              | 25 mm                                                                                                                                |
| IP degree of protection   | IP65 motor: conforming to EN/IEC 60034-5<br>IP65 shaft bushing: conforming to EN/IEC 60034-5                                         |

|                                       |                                       |
|---------------------------------------|---------------------------------------|
| Encoder type                          | Absolute single turn SinCos Hiperface |
| Speed feedback resolution             | 16 periods                            |
| Holding brake                         | Without                               |
| Mounting support                      | International standard flange         |
| Motor flange size                     | 40 mm                                 |
| Torque constant                       | 0.19 N.m/A at 120 °C                  |
| Back emf constant                     | 13.6 V/krpm at 20 °C                  |
| Number of motor poles                 | 5                                     |
| Rotor inertia                         | 0.0232 kg.cm <sup>2</sup>             |
| Stator resistance                     | 17.2 Ohm                              |
| Stator inductance                     | 14.6 mH                               |
| Type of cooling                       | Natural convection                    |
| Length                                | 73.4 mm                               |
| Centring collar diameter              | 30 mm                                 |
| Centring collar depth                 | 2.5 mm                                |
| Number of mounting holes              | 4                                     |
| Mounting holes diameter               | 4.5 mm                                |
| Circle diameter of the mounting holes | 46 mm                                 |
| Product weight                        | 0.4 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 |
|----------|-----------|