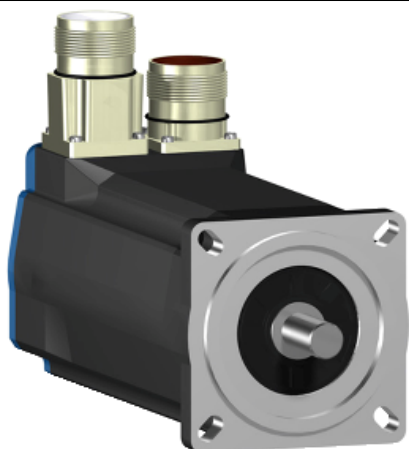




## Main

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

## Complementary

|                                  |                                                                                                                                  |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Maximum mechanical speed         | 8000 rpm                                                                                                                         |
| [Us] rated supply voltage        | 115...480 V                                                                                                                      |
| Network number of phases         | Three phase                                                                                                                      |
| Continuous stall current         | 4.1 A                                                                                                                            |
| Continuous stall torque          | 3.1 N.m at 115...480 V three phase                                                                                               |
| Peak stall torque                | 11.3 N.m at 115...480 V three phase                                                                                              |
| Nominal output power             | 460 W at 115 V three phase<br>880 W at 230 V three phase<br>1450 W at 400 V three phase<br>1550 W at 480 V three phase           |
| Nominal torque                   | 2.95 N.m at 115 V three phase<br>2.8 N.m at 230 V three phase<br>2.3 N.m at 400 V three phase<br>2.05 N.m at 480 V three phase   |
| Nominal speed                    | 1500 rpm at 115 V three phase<br>3000 rpm at 230 V three phase<br>6000 rpm at 400 V three phase<br>7200 rpm at 480 V three phase |
| Maximum current I <sub>rms</sub> | 17 A                                                                                                                             |
| Shaft end                        | Parallel key                                                                                                                     |
| Shaft diameter                   | 14 mm                                                                                                                            |
| Shaft length                     | 30 mm                                                                                                                            |
| Key width                        | 5 mm                                                                                                                             |
| IP degree of protection          | IP54 shaft bushing without shaft seal ring: conforming to EN/IEC 60034-5                                                         |

IP65 motor: conforming to EN/IEC 60034-5  
IP65 shaft bushing: conforming to EN/IEC 60034-5

|                                       |                                                                                                                            |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Encoder type                          | Absolute single turn SinCos Hiperface                                                                                      |
| Speed feedback resolution             | 128 periods                                                                                                                |
| Holding brake                         | With                                                                                                                       |
| Holding torque                        | 2 N.m                                                                                                                      |
| Mounting support                      | International standard flange                                                                                              |
| Motor flange size                     | 70 mm                                                                                                                      |
| Torque constant                       | 0.78 N.m/A at 120 °C                                                                                                       |
| Back emf constant                     | 49 V/krpm at 20 °C                                                                                                         |
| Number of motor poles                 | 3                                                                                                                          |
| Rotor inertia                         | 0.807 kg.cm <sup>2</sup>                                                                                                   |
| Stator resistance                     | 2.7 Ohm                                                                                                                    |
| Stator inductance                     | 20.3 mH                                                                                                                    |
| Maximum radial force Fr               | 730 N at 1000 rpm<br>580 N at 2000 rpm<br>510 N at 3000 rpm<br>460 N at 4000 rpm<br>430 N at 5000 rpm<br>400 N at 6000 rpm |
| Maximum axial force Fa                | 80 N                                                                                                                       |
| Type of cooling                       | Natural convection                                                                                                         |
| Length                                | 254 mm                                                                                                                     |
| Centring collar diameter              | 60 mm                                                                                                                      |
| Centring collar depth                 | 2.5 mm                                                                                                                     |
| Number of mounting holes              | 4                                                                                                                          |
| Mounting holes diameter               | 5.5 mm                                                                                                                     |
| Circle diameter of the mounting holes | 82 mm                                                                                                                      |
| Product weight                        | 3.8 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 |
|----------|-----------|