



## Main

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

## Complementary

|                           |  |
|---------------------------|--|
| Maximum mechanical speed  | 8000 rpm   |
| [Us] rated supply voltage | 115...480 V  |
| Network number of phases  | Three phase  |
| Continuous stall current  | 1.8 A  |
| Continuous stall torque   | 1.25 N.m at 115...480 V three phase  |
| Continuous power          | 690 W  |
| Peak stall torque         | 3.5 N.m at 115...480 V three phase   |
| Nominal output power      | 370 W at 230 V single phase<br>690 W at 400 V three phase<br>690 W at 480 V three phase          |
| Nominal torque            | 1.4 N.M at 230 V single phase<br>1.1 N.M at 400 V three phase<br>1.1 N.m at 480 V three phase    |
| Nominal speed             | 3000 rpm at 230 V single phase<br>6000 rpm at 400 V three phase<br>7200 rpm at 480 V three phase |
| Maximum current Irms      | 5.7 A  |
| Shaft end                 | Smooth shaft   |
| Shaft diameter            | 11 mm  |
| Shaft length              | 23 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 multiturn Hiperface DSL   |
| Speed feedback resolution | 262144 points/turn x 4096 turns  |
| Holding brake             | With   |
| Holding torque            | 3 N.m  |
| Mounting support          | International standard flange  |
| Motor flange size         | 70 mm  |
| Electrical connection     | Straight connector   |
| Torque constant           | 0.69 N.m/A at 120 °C   |
| Back emf constant         | 46 V/krpm at 20 °C   |
| Number of motor poles     | 3  |
| Rotor inertia             | 0.322 kg.cm <sup>2</sup>   |
| Stator resistance         | 10.4 Ohm   |
| Stator inductance         | 42.6 mH  |



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|                                       |                    |
|---------------------------------------|--------------------|
| Maximum radial force Fr               | 900 N at 1000 rpm  |
| Maximum axial force Fa                | 160 N              |
| Brake pull-in power                   | 7 W                |
| Type of cooling                       | Natural convection |
| Length                                | 180 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              |
| Net weight                            | 2.5 kg             |

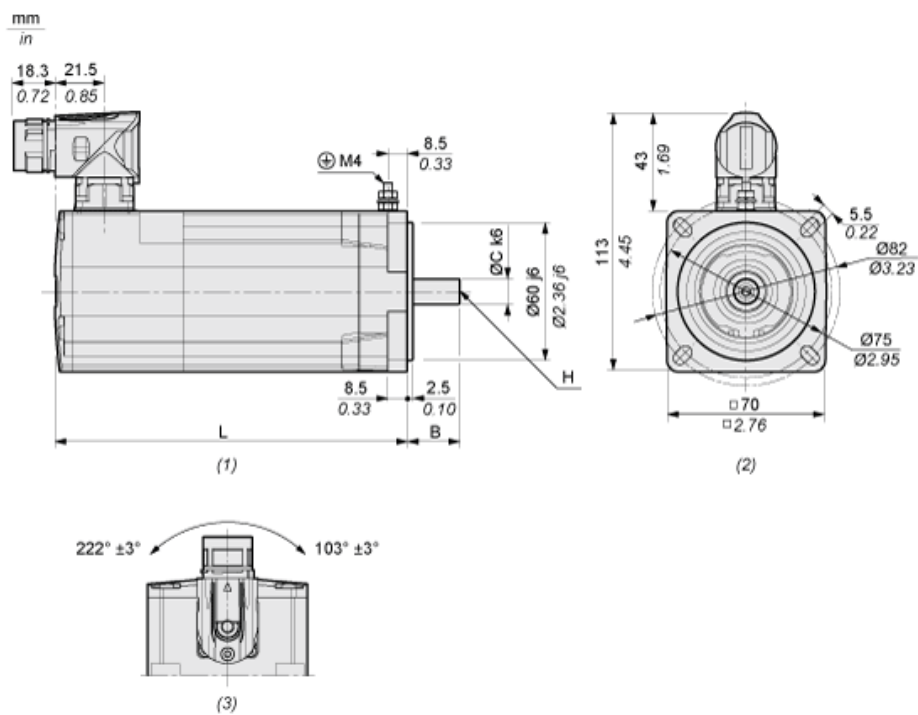
### Packing Units

|                              |         |
|------------------------------|---------|
| Unit Type of Package 1       | PCE     |
| Number of Units in Package 1 | 1       |
| Package 1 Height             | 11.5 cm |
| Package 1 Width              | 19.0 cm |
| Package 1 Length             | 39.5 cm |
| Package 1 Weight             | 2.9 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   |

Dimensions



- (1) : Side view  
(2) : Mounting  
(3) : Rotating area

| Characteristic | Unit                      | Value        |
|----------------|---------------------------|--------------|
| L              | Length with holding brake | mm (in)      |
| B              | Shaft length              | mm (in)      |
| C              | Shaft diameter            | mm (in)      |
| H              | Female thread of shaft    | DIN 332-D M4 |