



## 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  |
| Phase                     | Three phase  |
| Continuous stall current  | 1.8 A  |
| Continuous stall torque   | 11.06 lbf.in (1.25 N.m) 115...480 V three phase  |
| Continuous power          | 690 W  |
| Peak stall torque         | 30.98 lbf.in (3.5 N.m) 115...480 V three phase   |
| Nominal output power      | 220 W 115 V single phase<br>440 W 230 V single phase<br>820 W 400 V three phase<br>950 W 480 V three phase   |
| Nominal torque            | 12.39 Lbf.In (1.4 N.m) 115 V single phase<br>12.39 Lbf.In (1.4 N.m) 230 V single phase<br>9.74 Lbf.In (1.1 N.m) 400 V three phase<br>9.74 lbf.in (1.1 N.m) 480 V three phase |
| Nominal speed             | 1500 rpm 115 V single phase<br>3000 rpm 230 V single phase<br>6000 rpm 400 V three phase<br>7200 rpm 480 V three phase   |
| Maximum current Irms      | 5.7 A  |
| Shaft end                 | Parallel key   |
| Shaft diameter            | 0.43 in (11 mm)  |
| Shaft length              | 0.91 in (23 mm)  |
| Key width                 | 0.16 in (4 mm)   |
| IP degree of protection   | Motor IP65 EN/IEC 60034-5<br>Shaft bushing IP65 EN/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         | 2.76 in (70 mm)  |
| Electrical Connection     | Straight connector   |
| Torque constant           | 0.69 N.m/A 248 °F (120 °C)   |
| Back emf constant         | 46 V/krpm 68 °F (20 °C)  |
| Number of motor poles     | 3  |
| Rotor inertia             | 0.25 kg.cm <sup>2</sup>  |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

|                                       |  |
|---------------------------------------|--|
| Stator resistance                     | 10.4 Ohm   |
| Stator inductance                     | 60.25 mH   |
| Maximum radial force Fr               | 660 N 1000 rpm<br>520 N 2000 rpm<br>460 N 3000 rpm<br>410 N 4000 rpm<br>380 N 5000 rpm<br>360 N 6000 rpm |
| Maximum axial force Fa                | 80 N   |
| Type of cooling                       | Natural convection   |
| Length                                | 6.06 in (154 mm)   |
| Centring collar diameter              | 2.36 in (60 mm)  |
| Centring collar depth                 | 0.10 in (2.5 mm)   |
| Number of mounting holes              | 4  |
| Mounting holes diameter               | 0.22 in (5.5 mm)   |
| Circle diameter of the mounting holes | 3.23 in (82 mm)  |
| Net Weight                            | 4.63 lb(US) (2.1 kg)   |

### Ordering and shipping details

|                   |                              |
|-------------------|------------------------------|
| Category          | 18359-PACDRIVE3 SERVO MOTORS |
| Discount Schedule | PC52                         |
| GTIN              | 3606485295817                |
| Returnability     | No                           |

### Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| Number of Units in Package 1 | 1                      |
| Package 1 Height             | 4.53 in (11.5 cm)      |
| Package 1 Width              | 7.48 in (19.0 cm)      |
| Package 1 Length             | 15.55 in (39.5 cm)     |
| Package 1 Weight             | 5.72 lb(US) (2.595 kg) |

### Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| California proposition 65  | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| 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 |
|----------|-----------|