



## 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  | 2.9 A   |
| Continuous stall torque   | 18.06 lbf.in (2.04 N.m) 115...480 V three phase   |
| Continuous power          | 1130 W  |
| Peak stall torque         | 67.27 lbf.in (7.6 N.m) 115...480 V three phase  |
| Nominal output power      | 340 W 115 V single phase<br>660 W 230 V single phase<br>1190 W 400 V three phase<br>1360 W 480 V three phase  |
| Nominal torque            | 19.03 Lbf.In (2.15 N.m) 115 V single phase<br>18.59 Lbf.In (2.1 N.m) 230 V single phase<br>15.93 Lbf.In (1.8 N.m) 400 V three phase<br>15.93 lbf.in (1.8 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      | 11.8 A  |
| Shaft end                 | Smooth shaft  |
| Shaft diameter            | 0.43 in (11 mm)   |
| Shaft length              | 0.91 in (23 mm)   |
| IP degree of protection   | Motor IP65 EN/IEC 60034-5<br>Shaft bushing IP65 EN/IEC 60034-5<br>Housing IP67 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           | 0.7 N.m/A 248 °F (120 °C)   |
| Back emf constant         | 48 V/krpm 68 °F (20 °C)   |
| Number of motor poles     | 3   |
| Rotor inertia             | 0.41 kg.cm <sup>2</sup>   |

|                                       |  |
|---------------------------------------|--|
| Stator resistance                     | 4.2 Ohm  |
| Stator inductance                     | 29.65 mH   |
| Maximum radial force Fr               | 710 N 1000 rpm<br>560 N 2000 rpm<br>490 N 3000 rpm<br>450 N 4000 rpm<br>410 N 5000 rpm<br>390 N 6000 rpm |
| Maximum axial force Fa                | 80 N   |
| Type of cooling                       | Natural convection   |
| Length                                | 7.36 in (187 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                            | 6.17 lb(US) (2.8 kg)   |

### Ordering and shipping details

|                   |                              |
|-------------------|------------------------------|
| Category          | 18359-PACDRIVE3 SERVO MOTORS |
| Discount Schedule | PC52                         |
| GTIN              | 3606481971654                |
| Returnability     | No                           |

### Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| Number of Units in Package 1 | 1                      |
| Package 1 Weight             | 6.16 lb(US) (2.794 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 |
|----------|-----------|