



## 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  | 4.1 A                                                                                                                                                                           |
| Continuous stall torque   | 26.02 lbf.in (2.94 N.m) 115...480 V three phase                                                                                                                                 |
| Continuous power          | 1330 W                                                                                                                                                                          |
| Peak stall torque         | 100.01 lbf.in (11.3 N.m) 115...480 V three phase                                                                                                                                |
| Nominal output power      | 460 W 115 V single phase<br>880 W 230 V single phase<br>1450 W 400 V three phase<br>1550 W 480 V three phase                                                                    |
| Nominal torque            | 26.11 Lbf.In (2.95 N.m) 115 V single phase<br>24.78 Lbf.In (2.8 N.m) 230 V single phase<br>18.59 Lbf.In (2.1 N.m) 400 V three phase<br>18.59 lbf.in (2.1 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      | 17 A                                                                                                                                                                            |
| Shaft end                 | Parallel key                                                                                                                                                                    |
| Shaft diameter            | 0.55 in (14 mm)                                                                                                                                                                 |
| Shaft length              | 1.18 in (30 mm)                                                                                                                                                                 |
| Key width                 | 0.20 in (5 mm)                                                                                                                                                                  |
| IP degree of protection   | Shaft bushing without shaft seal ring IP54 IEC 60034-5<br>Motor IP65 IEC 60034-5<br>Shaft bushing IP65 IEC 60034-5                                                              |
| Encoder type              | Absolute single turn SinCos Hiperface                                                                                                                                           |
| Speed feedback resolution | 128 periods                                                                                                                                                                     |
| Holding brake             | With                                                                                                                                                                            |
| Holding torque            | 26.55 lbf.in (3 N.m)                                                                                                                                                            |
| Mounting Support          | International standard flange                                                                                                                                                   |
| Motor flange size         | 2.76 in (70 mm)                                                                                                                                                                 |
| Electrical Connection     | Rotatable right angled connector                                                                                                                                                |
| Torque constant           | 0.72 N.m/A 248 °F (120 °C)                                                                                                                                                      |
| Back emf constant         | 49 V/krpm 68 °F (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 1000 rpm<br>580 N 2000 rpm<br>510 N 3000 rpm<br>460 N 4000 rpm<br>430 N 5000 rpm<br>400 N 6000 rpm |
| Maximum axial force Fa                | 80 N                                                                                                     |
| Type of cooling                       | Natural convection                                                                                       |
| Length                                | 10.00 in (254 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                            | 8.38 lb(US) (3.8 kg)                                                                                     |

### Ordering and shipping details

|                   |                              |
|-------------------|------------------------------|
| Category          | 18359-PACDRIVE3 SERVO MOTORS |
| Discount Schedule | PC52                         |
| GTIN              | 3606481972040                |
| Returnability     | No                           |

### Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| Number of Units in Package 1 | 1                      |
| Package 1 Weight             | 7.92 lb(US) (3.593 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 |
|----------|-----------|