



## Main

|                           |             |
|---------------------------|-------------|
| Range Compatibility       | PacDrive 3  |
| Product or Component Type | Servo motor |
| Device short name         | SH3.....P   |

## Complementary

|                           |                                                                                                                                                                                   |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Maximum mechanical speed  | 4000 rpm                                                                                                                                                                          |
| [Us] rated supply voltage | 115...480 V                                                                                                                                                                       |
| Phase                     | Three phase                                                                                                                                                                       |
| Continuous stall current  | 7.8 A                                                                                                                                                                             |
| Continuous stall torque   | 98.24 lbf.in (11.1 N.m) 115...480 V three phase                                                                                                                                   |
| Continuous power          | 2900 W                                                                                                                                                                            |
| Peak stall torque         | 238.97 lbf.in (27 N.m) 115...480 V three phase                                                                                                                                    |
| Nominal output power      | 860 W 115 V single phase<br>1670 W 230 V single phase<br>2890 W 400 V three phase<br>3170 W 480 V three phase                                                                     |
| Nominal torque            | 96.92 Lbf.In (10.95 N.m) 115 V single phase<br>93.82 Lbf.In (10.6 N.m) 230 V single phase<br>81.43 Lbf.In (9.2 N.m) 400 V three phase<br>74.35 lbf.in (8.4 N.m) 480 V three phase |
| Nominal speed             | 750 rpm 115 V single phase<br>1500 rpm 230 V single phase<br>3000 rpm 400 V three phase<br>3600 rpm 480 V three phase                                                             |
| Maximum current Irms      | 20.8 A                                                                                                                                                                            |
| Shaft end                 | Smooth shaft                                                                                                                                                                      |
| Shaft diameter            | 0.94 in (24 mm)                                                                                                                                                                   |
| Shaft length              | 1.97 in (50 mm)                                                                                                                                                                   |
| IP degree of protection   | Shaft bushing without shaft seal ring IP54 EN/IEC 60034-5<br>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             | With                                                                                                                                                                              |
| Holding torque            | 203.57 lbf.in (23 N.m)                                                                                                                                                            |
| Mounting Support          | International standard flange                                                                                                                                                     |
| Motor flange size         | 5.51 in (140 mm)                                                                                                                                                                  |
| Electrical Connection     | Rotatable right angled connector                                                                                                                                                  |
| Torque constant           | 1.43 N.m/A 248 °F (120 °C)                                                                                                                                                        |
| Back emf constant         | 100 V/krpm 68 °F (20 °C)                                                                                                                                                          |
| Number of motor poles     | 5                                                                                                                                                                                 |

|                                       |                                                       |
|---------------------------------------|-------------------------------------------------------|
| Rotor inertia                         | 9.21 kg.cm <sup>2</sup>                               |
| Stator resistance                     | 1.41 Ohm                                              |
| Stator inductance                     | 23.72 mH                                              |
| Maximum radial force Fr               | 1930 N 1000 rpm<br>1530 N 2000 rpm<br>1340 N 3000 rpm |
| Maximum axial force Fa                | 300 N                                                 |
| Type of cooling                       | Natural convection                                    |
| Length                                | 10.06 in (255.5 mm)                                   |
| Centring collar diameter              | 5.12 in (130 mm)                                      |
| Centring collar depth                 | 0.14 in (3.5 mm)                                      |
| Number of mounting holes              | 4                                                     |
| Mounting holes diameter               | 0.43 in (11 mm)                                       |
| Circle diameter of the mounting holes | 6.50 in (165 mm)                                      |
| Net Weight                            | 28.66 lb(US) (13 kg)                                  |

## Ordering and shipping details

|                   |                              |
|-------------------|------------------------------|
| Category          | 18359-PACDRIVE3 SERVO MOTORS |
| Discount Schedule | PC52                         |
| GTIN              | 3606485297439                |
| Returnability     | No                           |
| Country of origin | DE                           |

## Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| Number of Units in Package 1 | 1                      |
| Package 1 Height             | 10.24 in (26.0 cm)     |
| Package 1 Width              | 7.87 in (20.0 cm)      |
| Package 1 Length             | 23.23 in (59.0 cm)     |
| Package 1 Weight             | 31.09 lb(US) (14.1 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 |
|----------|-----------|