



Main

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

Complementary

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|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Maximum mechanical speed | 6000 rpm |
| [Us] rated supply voltage | 115...480 V |
| Phase | Three phase |
| Continuous stall current | 4.8 A |
| Continuous stall torque | 51.33 lbf.in (5.8 N.m) 115...480 V three phase |
| Continuous power | 1900 W |
| Peak stall torque | 161.97 lbf.in (18.3 N.m) 115...480 V three phase |
| Nominal output power | 580 W 115 V single phase 1090 W 230 V single phase 1930 W 400 V three phase 2210 W 480 V three phase |
| Nominal torque | 48.68 Lbf.in (5.5 N.m) 115 V single phase 46.02 Lbf.in (5.2 N.m) 230 V single phase 40.71 Lbf.in (4.6 N.m) 400 V three phase 38.94 lbf.in (4.4 N.m) 480 V three phase |
| Nominal speed | 1000 rpm 115 V single phase 2000 rpm 230 V single phase 4000 rpm 400 V three phase 4800 rpm 480 V three phase |
| Maximum current Irms | 17.1 A |
| Shaft end | Smooth shaft |
| Shaft diameter | 0.75 in (19 mm) |
| Shaft length | 1.57 in (40 mm) |
| IP degree of protection | Motor IP65 EN/IEC 60034-5 Shaft bushing IP65 EN/IEC 60034-5 |
| Encoder type | Absolute single turn SinCos Hiperface |
| Speed feedback resolution | 128 periods |
| Holding brake | With |
| Holding torque | 79.66 lbf.in (9 N.m) |
| Mounting Support | International standard flange |
| Motor flange size | 3.94 in (100 mm) |
| Electrical Connection | Straight connector |
| Torque constant | 1.21 N.m/A 248 °F (120 °C) |
| Back emf constant | 77 V/krpm 68 °F (20 °C) |
| Number of motor poles | 4 |
| Rotor inertia | 2.928 kg.cm ² |

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| Stator resistance | 2.4 Ohm |
| Stator inductance | 19.5 mH |
| Maximum radial force Fr | 990 N 1000 rpm 790 N 2000 rpm 690 N 3000 rpm 620 N 4000 rpm |
| Maximum axial force Fa | 160 N |
| Type of cooling | Natural convection |
| Length | 9.23 in (234.5 mm) |
| Centring collar diameter | 3.74 in (95 mm) |
| Centring collar depth | 0.14 in (3.5 mm) |
| Number of mounting holes | 4 |
| Mounting holes diameter | 0.35 in (9.0 mm) |
| Circle diameter of the mounting holes | 4.53 in (115 mm) |
| Net Weight | 13.89 lb(US) (6.3 kg) |

Ordering and shipping details

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|-------------------|------------------------------|
| Category | 18359-PACDRIVE3 SERVO MOTORS |
| Discount Schedule | PC52 |
| GTIN | 3606481972378 |
| Returnability | No |

Packing Units

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|------------------------------|-------------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 12.76 lb(US) (5.788 kg) |

Offer Sustainability

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|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 www.P65Warnings.ca.gov |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| Mercury free | Yes |
| China RoHS Regulation | China RoHS Declaration |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| 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

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| Warranty | 18 months |
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