



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 | 4000 rpm |
| [Us] rated supply voltage | 115...480 V |
| Phase | Three phase |
| Continuous stall current | 13.2 A |
| Continuous stall torque | 172.59 lbf.in (19.5 N.m) 115...480 V three phase |
| Continuous power | 3900 W |
| Peak stall torque | 531.93 lbf.in (60.1 N.m) 115...480 V three phase |
| Nominal output power | 1460 W 115 V single phase 2690 W 230 V single phase 3860 W 400 V three phase 3660 W 480 V three phase |
| Nominal torque | 164.62 Lbf.In (18.6 N.m) 115 V single phase 151.35 Lbf.In (17.1 N.m) 230 V single phase 108.86 Lbf.In (12.3 N.m) 400 V three phase 85.85 lbf.in (9.7 N.m) 480 V three phase |
| Nominal speed | 750 rpm 115 V single phase 1500 rpm 230 V single phase 3000 rpm 400 V three phase 3600 rpm 480 V three phase |
| Maximum current Irms | 44.1 A |
| Shaft end | Smooth shaft |
| Shaft diameter | 0.94 in (24 mm) |
| Shaft length | 1.97 in (50 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 | Without |
| Mounting Support | International standard flange |
| Motor flange size | 5.51 in (140 mm) |
| Electrical Connection | Rotatable right angled connector |
| Torque constant | 1.47 N.m/A 248 °F (120 °C) |
| Back emf constant | 101 V/krpm 68 °F (20 °C) |
| Number of motor poles | 5 |
| Rotor inertia | 12.68 kg.cm ² |
| Stator resistance | 0.6 Ohm |

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|---------------------------------------|---|
| Stator inductance | 11.225 mH |
| Maximum radial force Fr | 2240 N 1000 rpm 1780 N 2000 rpm 1550 N 3000 rpm |
| Maximum axial force Fa | 300 N |
| Type of cooling | Natural convection |
| Length | 10.73 in (272.5 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 | 36.60 lb(US) (16.6 kg) |

Ordering and shipping details

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|-------------------|------------------------------|
| Category | 18359-PACDRIVE3 SERVO MOTORS |
| Discount Schedule | PC52 |
| GTIN | 3606485297644 |
| Returnability | No |
| Country of origin | DE |

Packing Units

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|------------------------------|------------------------|
| 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 | 38.14 lb(US) (17.3 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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