



Main

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

Complementary

| | |
|---------------------------|--|
| Maximum mechanical speed | 9000 rpm |
| [Us] rated supply voltage | 115...480 V |
| Phase | Three phase |
| Continuous stall current | 1.2 A |
| Continuous stall torque | 6.28 lbf.in (0.71 N.m) 115...480 V three phase |
| Continuous power | 530 W |
| Peak stall torque | 22.13 lbf.in (2.5 N.m) 115...480 V three phase |
| Nominal output power | 160 W 115 V single phase 310 W 230 V single phase 600 W 400 V three phase 670 W 480 V three phase |
| Nominal torque | 6.82 Lbf.In (0.77 N.m) 115 V single phase 6.64 Lbf.In (0.75 N.m) 230 V single phase 5.58 Lbf.In (0.63 N.m) 400 V three phase 5.58 lbf.in (0.63 N.m) 480 V three phase |
| Nominal speed | 4000 rpm 230 V single phase 9000 rpm 480 V three phase 2000 rpm 115 V single phase 8000 rpm 400 V three phase |
| Maximum current Irms | 4.8 A |
| Shaft end | Parallel key |
| Shaft diameter | 0.35 in (9 mm) |
| Shaft length | 0.79 in (20 mm) |
| Key width | 0.12 in (3 mm) |
| IP degree of protection | Shaft bushing without shaft seal ring IP54 EN/IEC 60034-5 Motor IP65 EN/IEC 60034-5 Shaft bushing IP65 EN/IEC 60034-5 |
| Encoder type | Absolute multiturn SinCos Hiperface |
| Speed feedback resolution | 128 periods |
| Holding brake | Without |
| Mounting Support | International standard flange |
| Motor flange size | 2.17 in (55 mm) |
| Electrical Connection | Rotatable right angled connector |
| Torque constant | 0.59 N.m/A 248 °F (120 °C) |
| Back emf constant | 40 V/krpm 68 °F (20 °C) |
| Number of motor poles | 3 |

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| Rotor inertia | 0.096 kg.cm ² |
| Stator resistance | 17.4 Ohm |
| Stator inductance | 53.54 mH |
| Maximum radial force Fr | 370 N 1000 rpm 290 N 2000 rpm 260 N 3000 rpm 230 N 4000 rpm 220 N 5000 rpm 200 N 6000 rpm 190 N 7000 rpm 190 N 8000 rpm |
| Maximum axial force Fa | 40 N |
| Type of cooling | Natural convection |
| Length | 6.08 in (154.4 mm) |
| Centring collar diameter | 1.57 in (40 mm) |
| Centring collar depth | 0.08 in (2 mm) |
| Number of mounting holes | 4 |
| Mounting holes diameter | 0.22 in (5.5 mm) |
| Circle diameter of the mounting holes | 2.48 in (63 mm) |
| Net Weight | 3.31 lb(US) (1.5 kg) |


Ordering and shipping details

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|-------------------|------------------------------|
| Category | 18359-PACDRIVE3 SERVO MOTORS |
| Discount Schedule | PC52 |
| GTIN | 3606485295381 |
| 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 | 4.33 in (11.000 cm) |
| Package 1 Width | 7.48 in (19.000 cm) |
| Package 1 Length | 15.55 in (39.500 cm) |
| Package 1 Weight | 4.23 lb(US) (1.917 kg) |
| Unit Type of Package 2 | S04 |
| Number of Units in Package 2 | 4 |
| Package 2 Height | 11.81 in (30 cm) |
| Package 2 Width | 15.75 in (40 cm) |
| Package 2 Length | 23.62 in (60 cm) |
| Package 2 Weight | 18.34 lb(US) (8.318 kg) |
| Unit Type of Package 3 | P12 |
| Number of Units in Package 3 | 16 |
| Package 3 Height | 17.72 in (45.000 cm) |
| Package 3 Width | 31.50 in (80.000 cm) |
| Package 3 Length | 47.24 in (120.000 cm) |
| Package 3 Weight | 99.81 lb(US) (45.272 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 |

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|-----------------------------|--|
| 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 | |
| Warranty | 18 months |