

SH30553P11A2000

servo motor SH3 055

1,05Nm,key,single,nobrake,90°conn.IP54/
IP65,9k RPM



Main

| | |
|---------------------------|-------------|
| 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 | 1.7 A |
| Continuous stall torque | 9.29 lbf.in (1.05 N.m) 115...480 V three phase |
| Continuous power | 680 W |
| Peak stall torque | 30.98 lbf.in (3.5 N.m) 115...480 V three phase |
| Nominal output power | 240 W 115 V single phase 460 W 230 V single phase 880 W 400 V three phase 970 W 480 V three phase |
| Nominal torque | 10.00 Lbf.In (1.13 N.m) 115 V single phase 9.74 Lbf.In (1.1 N.m) 230 V single phase 7.17 Lbf.In (0.81 N.m) 400 V three phase 7.17 lbf.in (0.81 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 | 6.5 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 single turn 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 | 0.62 N.m/A 248 °F (120 °C) |
| Back emf constant | 41 V/krpm 68 °F (20 °C) |
| Number of motor poles | 3 |

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|---------------------------------------|--|
| Rotor inertia | 0.134 kg.cm ² |
| Stator resistance | 10.4 Ohm |
| Stator inductance | 37.98 mH |
| Maximum radial force Fr | 190 N 8000 rpm 390 N 1000 rpm 310 N 2000 rpm 270 N 3000 rpm 240 N 4000 rpm 230 N 5000 rpm 210 N 6000 rpm 200 N 7000 rpm |
| Maximum axial force Fa | 40 N |
| Type of cooling | Natural convection |
| Length | 6.95 in (176.5 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 | 3.97 lb(US) (1.8 kg) |

Ordering and shipping details

| | |
|-------------------|------------------------------|
| Category | 18359-PACDRIVE3 SERVO MOTORS |
| Discount Schedule | PC52 |
| GTIN | 3606485295558 |
| Returnability | No |
| Country of origin | DE |

Packing Units

| | |
|------------------------------|----------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 4.53 in (11.5 cm) |
| Package 1 Width | 7.48 in (19.0 cm) |
| Package 1 Length | 15.55 in (39.5 cm) |
| Package 1 Weight | 4.85 lb(US) (2.2 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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