

SH31401P11F2000

servo motor SH3 140
11,1Nm,key,single,brake,90°conn.IP54/
IP65,4k RPM



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 1670 W 230 V single phase 2890 W 400 V three phase 3170 W 480 V three phase
Nominal torque	96.92 Lbf.In (10.95 N.m) 115 V single phase 93.82 Lbf.In (10.6 N.m) 230 V single phase 81.43 Lbf.In (9.2 N.m) 400 V three phase 74.35 lbf.in (8.4 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	20.8 A
Shaft end	Parallel key
Shaft diameter	0.94 in (24 mm)
Shaft length	1.97 in (50 mm)
Key width	0.31 in (8 mm)
IP degree of protection	Shaft bushing without shaft seal ring IP54 IEC 60034-5 Motor IP65 IEC 60034-5 Shaft bushing IP65 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 ²
Stator resistance	1.41 Ohm
Stator inductance	23.72 mH
Maximum radial force Fr	1930 N 1000 rpm 1530 N 2000 rpm 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	3606485297569
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	30.64 lb(US) (13.9 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 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

Warranty	18 months
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