

SH32052P12F2000

servo motor SH3 205
64,9Nm,key,multi,brake,90°conn.IP54/
IP65,3.8k RPM



Main

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

Complementary

Maximum mechanical speed	3800 rpm
[Us] rated supply voltage	115...480 V
Phase	Three phase
Continuous stall current	25.7 A
Continuous stall torque	574.41 lbf.in (64.9 N.m) 115...480 V three phase
Continuous power	7900 W
Peak stall torque	1947.16 lbf.in (220 N.m) 115...480 V three phase
Nominal output power	3230 W 115 V single phase 5860 W 230 V single phase 7980 W 400 V three phase 7140 W 480 V three phase
Nominal torque	545.21 Lbf.In (61.6 N.m) 115 V single phase 495.64 Lbf.In (56 N.m) 230 V single phase 337.21 Lbf.In (38.1 N.m) 400 V three phase 251.36 lbf.in (28.4 N.m) 480 V three phase
Nominal speed	500 rpm 115 V single phase 1000 rpm 230 V single phase 2000 rpm 400 V three phase 2400 rpm 480 V three phase
Maximum current Irms	96.8 A
Shaft end	Parallel key
Shaft diameter	1.50 in (38 mm)
Shaft length	3.15 in (80 mm)
Key width	0.39 in (10 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 multiturn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	With
Holding torque	708.06 lbf.in (80 N.m)
Mounting Support	International standard flange
Motor flange size	8.07 in (205 mm)
Electrical Connection	Straight connector
Torque constant	2.58 N.m/A 248 °F (120 °C)
Back emf constant	161 V/krpm 68 °F (20 °C)

Number of motor poles	5
Rotor inertia	145 kg.cm ²
Stator resistance	0.3 Ohm
Stator inductance	8.2 mH
Maximum radial force Fr	4200 N 1000 rpm 3330 N 2000 rpm 2910 N 3000 rpm
Maximum axial force Fa	740 N
Type of cooling	Natural convection
Length	17.89 in (454.5 mm)
Centring collar diameter	7.09 in (180 mm)
Centring collar depth	0.16 in (4 mm)
Number of mounting holes	4
Mounting holes diameter	0.55 in (14 mm)
Circle diameter of the mounting holes	8.46 in (215 mm)
Net Weight	118.17 lb(US) (53.6 kg)

Ordering and shipping details

Category	18359-PACDRIVE3 SERVO MOTORS
Discount Schedule	PC52
GTIN	3606485298610
Returnability	No
Country of origin	DE

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	16.14 in (41.0 cm)
Package 1 Width	12.20 in (31.0 cm)
Package 1 Length	28.35 in (72.0 cm)
Package 1 Weight	133.60 lb(US) (60.6 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
----------	-----------