



Main

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

Complementary

Maximum mechanical speed	8000 rpm
[Us] rated supply voltage	115...480 V
Phase	Three phase
Continuous stall current	1.8 A
Continuous stall torque	11.06 lbf.in (1.25 N.m) 115...480 V three phase
Continuous power	690 W
Peak stall torque	30.98 lbf.in (3.5 N.m) 115...480 V three phase
Nominal output power	220 W 115 V single phase 440 W 230 V single phase 820 W 400 V three phase 950 W 480 V three phase
Nominal torque	12.39 Lbf.in (1.4 N.m) 115 V single phase 12.39 Lbf.in (1.4 N.m) 230 V single phase 9.74 Lbf.in (1.1 N.m) 400 V three phase 9.74 lbf.in (1.1 N.m) 480 V three phase
Nominal speed	1500 rpm 115 V single phase 3000 rpm 230 V single phase 6000 rpm 400 V three phase 7200 rpm 480 V three phase
Maximum current Irms	5.7 A
Shaft end	Smooth shaft
Shaft diameter	0.43 in (11 mm)
Shaft length	0.91 in (23 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	26.55 lbf.in (3 N.m)
Mounting Support	International standard flange
Motor flange size	2.76 in (70 mm)
Electrical Connection	Straight connector
Torque constant	0.69 N.m/A 248 °F (120 °C)
Back emf constant	46 V/krpm 68 °F (20 °C)
Number of motor poles	3
Rotor inertia	0.322 kg.cm ²

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Stator resistance	10.4 Ohm
Stator inductance	60.25 mH
Maximum radial force Fr	660 N 1000 rpm 520 N 2000 rpm 460 N 3000 rpm 410 N 4000 rpm 380 N 5000 rpm 360 N 6000 rpm
Maximum axial force Fa	80 N
Type of cooling	Natural convection
Length	7.07 in (179.5 mm)
Centring collar diameter	2.36 in (60 mm)
Centring collar depth	0.10 in (2.5 mm)
Number of mounting holes	4
Mounting holes diameter	0.22 in (5.5 mm)
Circle diameter of the mounting holes	3.23 in (82 mm)
Net Weight	5.07 lb(US) (2.3 kg)

Ordering and shipping details

Category	18359-PACDRIVE3 SERVO MOTORS
Discount Schedule	PC52
GTIN	3606485295695
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	6.44 lb(US) (2.92 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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