

servo motor SH3 040 0,21Nm,no key,multi,no brake,90°conn,IP54/ IP65,9k RPM

SH30401P07A2000

EAN Code: 3606485467443

Main

Range compatibility	PacDrive 3
Device short name	SH3
Product or component type	Servo motor

Complementary

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Maximum mechanical speed	9000 rpm	
[Us] rated supply voltage	115480 V	
Network number of phases	Three phase	
Continuous stall current	1.12 A	
Continuous stall torque	0.21 N.m at 115480 V three phase	
Continuous power	170 W	
Peak stall torque	0.75 N.m at 480 V three phase	
Nominal output power	77 W at 115 V single phase 77 W at 230 V single phase 166 W at 400 V three phase 166 W at 480 V three phase	
Nominal torque	0.176 N.m at 115 V single phase 0.176 N.m at 230 V single phase 0.184 N.m at 400 V three phase 0.184 N.m at 480 V three phase	
Nominal speed	4000 rpm at 115 V single phase 4000 rpm at 230 V single phase 9000 rpm at 400 V three phase 9000 rpm at 480 V three phase	
Maximum current Irms	4.5 A	
Shaft end	Smooth shaft	
Shaft diameter	8 mm	
Shaft length	25 mm	
IP degree of protection	IP54 shaft bushing without shaft seal ring: conforming to IEC 60034-5 IP65 motor: conforming to IEC 60034-5 IP65 shaft bushing: conforming to IEC 60034-5	
Encoder type	Absolute multiturn SinCos Hiperface	
Speed feedback resolution	16 periods	
Holding brake	Without	
Mounting support	International standard flange	
Motor flange size	40 mm	
Electrical connection	Straight connector	

Torque constant	0.40 N m/A at 120 °C	
	0.19 N.m/A at 120 °C	
Back emf constant	13.6 V/krpm at 20 °C	
Number of motor poles	5.0	
Rotor inertia	0.0232 kg.cm²	
Stator resistance	17.2 Ohm	
Stator inductance	7.3 mH	
type of cooling	Natural convection	
Length	73.4 mm	
Centring collar diameter	30 mm	
centring collar depth	2.5 mm	
Number of mounting holes	4	
Mounting holes diameter	4.5 mm	
Circle diameter of the mounting holes	46 mm	
Net weight	0.4 kg	
Sizing reference	SH30402P	
Network number of phases	3	
Temperature copper hot	120 °C	
compatible drive output current 3s peak 2	6 A	
Electrical connection	rotatable right angled connector	

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	11.0 cm
Package 1 Width	17.0 cm
Package 1 Length	24.0 cm
Package 1 Weight	627.0 g

Logistical informations

Country of origin DE

Contractual warranty

Warranty 18 months



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

☑ Environmental footprint	
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	408
Environmental Disclosure	Product Environmental Profile

Use Better

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
SCIP Number	Ead0850d-370a-47c5-8cf7-1d93c2c974a4
REACh Regulation	REACh Declaration
PVC free	Yes

Use Again

○ Repack and remanufacture	
Circularity Profile	No need of specific recycling operations
Take-back	No
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins