# SH30702P0BA4100

SH3 OMC motor 70mm 2 st. IP65/65 smooth sh. DSL multi turn ang.conn.M23





#### Main

Range compatibility	PacDrive 3
Device short name	SH3P
Product or component type	Servo motor

Complementary

Maximum mechanical speed	8000 rpm
[Us] rated supply voltage	115480 V
Network number of phases	Three phase
Continuous stall current	2.9 A
Continuous stall torque	2.04 N.m at 115480 V three phase
Continuous power	1130 W
Peak stall torque	7.6 N.m at 115480 V three phase
Nominal output power	610 W at 230 V single phase 1130 W at 400 V three phase 1130 W at 480 V three phase
Nominal torque	2.1 N.M at 230 V single phase 1.8 N.M at 400 V three phase 1.8 N.m at 480 V three phase
Nominal speed	3000 rpm at 230 V single phase 6000 rpm at 400 V three phase 7200 rpm at 480 V three phase
Maximum current Irms	11.8 A
Shaft end	Smooth shaft
Shaft diameter	11 mm
Shaft length	23 mm
IP degree of protection	IP65 motor: conforming to EN/IEC 60034-5 IP65 shaft bushing: conforming to EN/IEC 60034-5
Encoder type	Absolute multiturn Hiperface DSL
Speed feedback resolution	262144 points/turn x 4096 turns
Holding brake	Without
Mounting support	International standard flange
Motor flange size	70 mm
Electrical connection	Rotatable right angled connector
Torque constant	0.7 N.m/A at 120 °C
Back emf constant	48 V/krpm at 20 °C
Number of motor poles	3
Rotor inertia	0.410 kg.cm²
Stator resistance	4.2 Ohm
Stator inductance	21.3 mH
Maximum radial force Fr	1050 N at 1000 rpm

Maximum axial force Fa	160 N
Type of cooling	Natural convection
Length	187 mm
Centring collar diameter	60 mm
Centring collar depth	2.5 mm
Number of mounting holes	4
Mounting holes diameter	5.5 mm
Circle diameter of the mounting holes	82 mm
Net weight	2.8 kg

## Packing Units

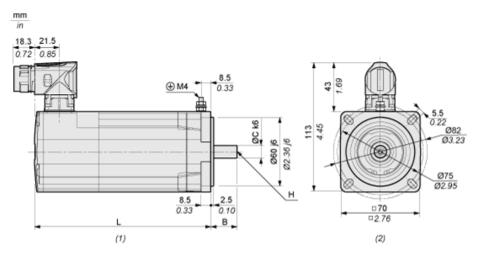
Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Height	11.5 cm	
Package 1 Width	19.0 cm	
Package 1 Length	39.5 cm	
Package 1 Weight	3.3 kg	

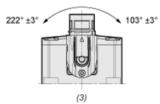
### Offer Sustainability

Sustainable offer status	Green Premium product	
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	

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### **Dimensions**





(1): Side view(2): Mounting(3): Rotating area

Characteristic		Unit	Value
L	Length without holding brake	mm (in)	187 (7.36)
В	Shaft length	mm (in)	23 (0.91)
С	Shaft diameter	mm (in)	11 (0.43)
Н	Female thread of shaft		DIN 332-D M4