BSH1004T31F2A

AC servo motor BSH, Lexium 15, 8.18N.m, 3500rpm, keyed shaft, with brake, IP65





Main Product or component type Device short name Maximum mechanical

Servo motor

6000 rpm

Continuous stall torque
Peak stall torque

9.31 N.M for LXM15MD40N4, 230 V, three phase

Nominal	output	power
Nominal	torque	

Nominal speed

Product compatibility

IP degree of protection
Speed feedback

Shaft end

Keyed

5	Sp	Эe	ed	l fee
r	е	sc	olu	tion

resolutio	ווע
Holding	bra

Mounting support

Electrical connection

Complementary Range compatibility

•	•	,	
Supply vo	oltage	max	
Network	numbe	er of pha	ses
Continuo	uc ctal	ll curron	4

Continuous stail current
Maximum continuous power
Maximum current Irms

Maximum permanent current
Second shaft

Shaft diameter
Shaft length
Kev width

Feedback type

Holding torque		
	Motor flange size	
	Number of motor stacks	

Back emf constant

Torque constant

Number of motor pole	s
Rotor inertia	

Lexium 15	
480 V	

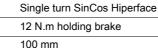
400 V
Three phase
12.7 A

3.64 W
34.8 A for LXM15LD28M3

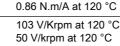
61 A fo	r LXM15MD40N4
66.3 A	

Without second shaft end
24 mm

50) mm
40	mm (







8
5.245 kg.cm ²

Stator resistance	1.81 Ohm at 20 °C
Stator inductance	13 MH at 20 °C 2.9 mH at 20 °C
Stator electrical time constant	6.44 Ms at 20 °C 7.18 ms at 20 °C
Maximum radial force Fr	1070 N at 1000 rpm 740 N at 3000 rpm 850 N at 2000 rpm
Maximum axial force Fa	0.2 x Fr
Brake pull-in power	17 W
Type of cooling	Natural convection
Length	307.5 mm
Centring collar diameter	95 mm
Centring collar depth	3.5 mm
Number of mounting holes	4
Mounting holes diameter	9 mm
Circle diameter of the mounting holes	115 mm
Net weight	9.9 kg

Packing Units

Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Height	19.2 cm	
Package 1 Width	17.5 cm	
Package 1 Length	55.7 cm	
Package 1 Weight	10.7 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

Contractual warranty

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Warranty	18 months