Specifications





servo motor BMI 1-phase untapped IP54 multiturn - 131072 p/t x 4096 t - brake

BMI0703T02F

Product availability: Non-Stock - Not normally stocked in distribution facility

Price*: 2,581.18 USD

Main

Lexium 32i
Servo motor with power stage
BMI
8000 rpm
115230 V - 1510 %
100240 V
Single phase
50/60 Hz - 55 %
47.563 Hz
Integrated
3.5 A 8 kHz
10.5 A 230 V 3 s
3.5 A
30.09 lbf.in (3.4 N.m) 115230 V single phase
76.12 lbf.in (8.6 N.m) 115 V single phase 76.12 lbf.in (8.6 N.m) 230 V single phase
700 W 230 V single phase 400 W 115 V single phase
25.67 lbf.in (2.9 N.m) 115 V single phase 19.47 lbf.in (2.2 N.m) 230 V single phase
3200 rpm 230 V single phase 1400 rpm 115 V single phase
17.8 A 115 V, single phase 17.8 A 230 V, single phase
Drive control unit LXM32i CANopen Drive control unit LXM32i EtherCAT
Untapped
Without second shaft end
0.55 in (14 mm)
1.18 in (30 mm)
Absolute multiturn SinCos Hiperface

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

On and East the all Description	
Speed Feedback Resolution	131072 points/turn x 4096 turns
Holding Brake	With
Holding Torque	26.55 lbf.in (3 N.m) holding brake
Mounting Support	International standard flange
Motor Flange Size	2.76 in (70 mm)
Electrical Connection	Printed circuit board connector
Torque Constant	0.81 N.m/A 68 °F (20 °C)
Back Emf Constant	54.44 V/krpm 68 °F (20 °C)
Number Of Motor Poles	10
Rotor Inertia	1.78 kg.cm ²
Stator Resistance	2.58 Ohm 68 °F (20 °C)
Stator Inductance	2.28 mH 68 °F (20 °C)
Stator Electrical Time Constant	0.88 ms 68 °F (20 °C)
Maximum Radial Force Fr	730 N 1000 rpm 580 N 2000 rpm 510 N 3000 rpm 460 N 4000 rpm 430 N 5000 rpm 400 N 6000 rpm
Maximum Axial Force Fa	0.2 x Fr
Brake Pull-In Power	5 W
Type Of Cooling	Natural convection
Length	13.35 in (339 mm)
Number Of Motor Stacks	3
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	2.953.23 in (7582 mm)
Distance Shaft Shoulder-Flange	0.10 in (2.5 mm)

Environment

Ip Degree Of Protection Shaft IP54 Housing IP65

Ordering and shipping details

Category	US1PC5618287
Discount Schedule	PC56
Gtin	3606485376639
Returnability	No
Country Of Origin	DE

Packing Units

Unit Type Of Package 1

PCE

Number Of Units In Package 1	1
Package 1 Height	9.84 in (25.0 cm)
Package 1 Width	7.32 in (18.6 cm)
Package 1 Length	21.65 in (55.0 cm)
Package 1 Weight	14.33 lb(US) (6.5 kg)

Contractual warranty

Warranty

18 months

Sustainability Screen Premium

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

Well-being performance



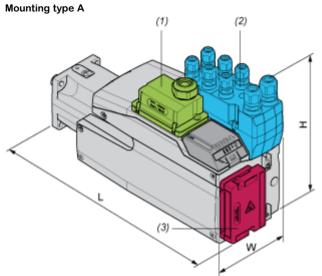
Certifications & Standards

Reach Regulation	REACh Declaration		
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)		
China Rohs Regulation	China RoHS declaration		
Environmental Disclosure	Product Environmental Profile		
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.		
Circularity Profile	End of Life Information		
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		

Dimensions Drawings

External Dimensions

With Standard Braking Resistor



- (1) Module for supply voltage
- (2) I/O module
- (3) Standard braking resistor

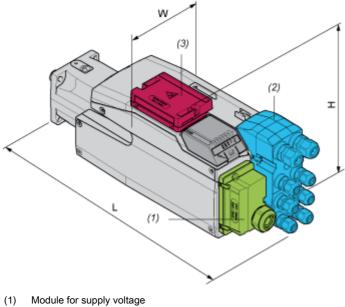
Dimensions in mm

W	Н	L
99	187	360

Dimensions in in.

W	Н	L
3,90	7,36	14,17

Mounting type B



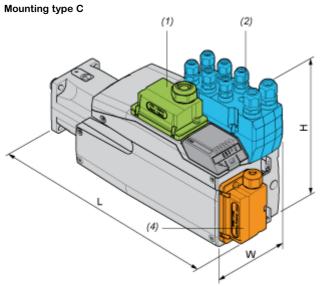
(2) I/O module

(3) Standard braking resistor

Dimensions in mm				
W	Н	L		
99	138,5	409		

Dimensions in in.			
W	Н	L	
3,90	5,45	16,1	

With External Braking Resistor



(1) Module for supply voltage

- (2) I/O module
- (4) External braking resistor

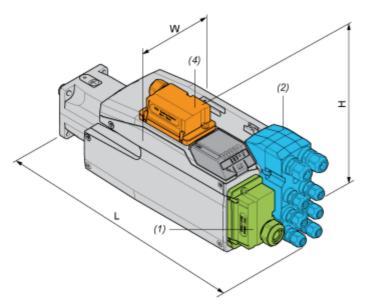
Dimensions in mm

W	Н	L
99	187	372

Dimensions in in.

W	Н	L
3,90	7,36	14,65

Mounting type D



- (1) Module for supply voltage
- (2) I/O module
- (4) External braking resistor

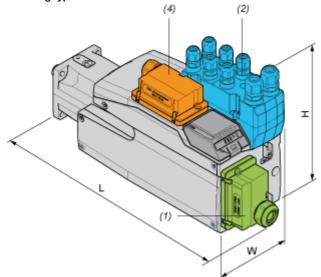
Dimer	nsions	in	mm	

W	Н	L
99	160	409

Dimensions in in.

W	W H				
3,90	6,3	16,1			

Mounting type E



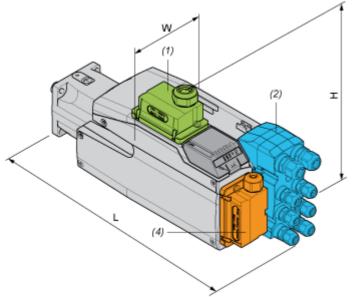
- (1) Module for supply voltage
- (2) I/O module
- (4) External braking resistor

Dimensions in mm

W	н	L
99	187	399

Dimensions in in.					
W H L					
3,90	7,36	15,71			

Mounting type F



- (1) Module for supply voltage
- (2) I/O module
- (4) External braking resistor

Dimensions in mm

W	Н	L	
99	180	409	

Dimensions in in.

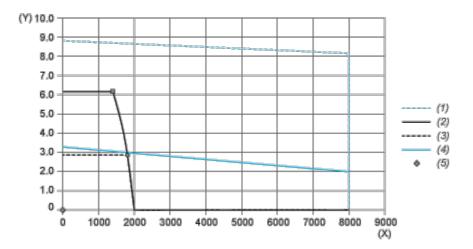
W	Н	L
3,90	7,09	16,1

BMI0703T02F

Performance Curves

Performance Curves

Torque/Speed Curves with 115 V Single Phase Supply Voltage



- (X) Speed (rpm)
- (Y) Torque (N.m)
- (1) Motor peak
- (2) Drive peak
- (3) Drive cont
- (4) Motor cont
- (5) Operating point

		Power	At Speed	With Torque
max. Peak Power		889 W	1360 rpm	6.24 N.m
max Cont. Power (Drive)	•	501 W	1680 rpm	2.85 N.m

Performance Curves

(Y) 10.0 · 9.0 -8.0 -7.0 -6.0 -(1)5.0 -(2) 4.0 (3) 3.0 (4) (5) 2.0 -1.0 -0-4 7000 1000 2000 3000 4000 5000 6000 8000 9000 0 (20)

Torque/Speed Curves with 230 V Single Phase Supply Voltage

- (X) Speed (rpm)
- (Y) Torque (N.m)
- (1) Motor peak
- (2) Drive peak
- (3) Drive cont
- (4) Motor cont
- (5) Operating point

		Power	At Speed	With Torque
max. Peak Power		2314 W	2800 rpm	7.89 N.m
max Cont. Power (Drive)	•	738 W	3600 rpm	1.96 N.m