

servo motor BMI 1-phase untapped IP65 single turn - 32768 p/ t - brake

BMI0702T26F

Main

| Range compatibility | Lexium 32i |
|---------------------------|------------------------------|
| Device short name | BMI |
| Product or component type | Servo motor with power stage |

Complementary

| , | |
|---------------------------|---|
| Maximum mechanical speed | 8000 rpm |
| [Us] rated supply voltage | 115230 V - 1510 % |
| Supply voltage limits | 100240 V |
| Network number of phases | Single phase |
| Supply frequency | 50/60 Hz - 55 % |
| Network frequency limits | 47.563 Hz |
| EMC filter | Integrated |
| Continuous output current | 2.6 A at 8 kHz |
| Output current 3s peak | 10.5 A at 230 V for 1 s |
| Continuous stall current | 2.6 A |
| Continuous stall torque | 2.48 N.m at 115230 V single phase |
| Peak stall torque | 6.6 N.m at 115 V single phase 6.6 N.m at 230 V single phase |
| Nominal output power | 700 W at 230 V single phase 400 W at 115 V single phase |
| Nominal torque | 2.2 N.m at 115 V single phase 1.7 N.m at 230 V single phase |
| Nominal speed | 4000 rpm at 230 V single phase 1700 rpm at 115 V single phase |
| Maximum current Irms | 17.7 A at 230 V, single phase 17.7 A at 115 V, single phase |
| Product compatibility | Drive control unit LXM32i CANopen Drive control unit LXM32i EtherCAT |
| Shaft end | Untapped |
| Second shaft | Without second shaft end |
| Shaft diameter | 11 mm |
| Shaft length | 23 mm |
| Feedback type | Absolute single turn SinCos Hiperface |
| Speed feedback resolution | 32768 points/turn |

| Holding brake | With |
|---------------------------------------|--|
| Holding torque | 3 N.m holding brake |
| Mounting support | International standard flange |
| Motor flange size | 70 mm |
| Electrical connection | Printed circuit board connector |
| Torque constant | 0.63 N.m/A at 20 °C |
| Back emf constant | 42.1 V/krpm at 20 °C |
| Number of motor poles | 10 |
| Rotor inertia | 1.24 kg.cm² |
| Stator resistance | 2.7 Ohm at 20 °C |
| Stator inductance | 7.8 mH at 20 °C |
| Stator electrical time constant | 2.89 ms at 20 °C |
| Maximum radial force Fr | 710 N at 1000 rpm 560 N at 2000 rpm 490 N at 3000 rpm 450 N at 4000 rpm 410 N at 5000 rpm 390 N at 6000 rpm |
| Maximum axial force Fa | 0.2 x Fr |
| Brake pull-in power | 5 W |
| Type of cooling | Natural convection |
| Length | 306 mm |
| Number of motor stacks | 2 |
| 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 | 7582 mm |
| Distance shaft shoulder-flange | 2.5 mm |
| | |

Environment

IP degree of protection IP65

Packing Units

| Unit Type of Package 1 | PCE |
|------------------------------|---------|
| Number of Units in Package 1 | 1 |
| Package 1 Height | 26.0 cm |
| Package 1 Width | 20.0 cm |
| Package 1 Length | 59.0 cm |
| Package 1 Weight | 5.4 kg |

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 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) |
| REACh Regulation | REACh Declaration |
| 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 |
| PVC free | Yes |

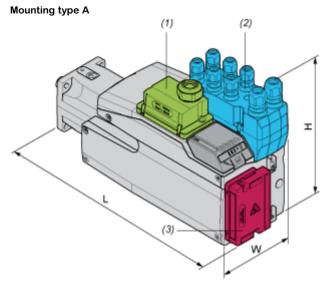
Use Again

| ○ Repack and remanufacture | |
|---------------------------------|---|
| End of life manual availability | End of Life Information |
| Take-back | No |
| WEEE Label | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

Dimensions Drawings

External Dimensions

With Standard Braking Resistor



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

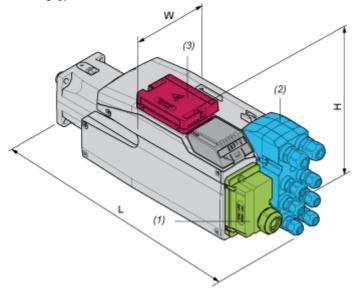
Dimensions in mm

| W | Н | L |
|----|-----|-----|
| 99 | 187 | 327 |

Dimensions in in

| Difficitions in in. | | |
|---------------------|------|-------|
| W | Н | L |
| 3,90 | 7,36 | 12,87 |

Mounting type B



- (1) Module for supply voltage
- (2) I/O module

Product data sheet

BMI0702T26F

(3) Standard braking resistor

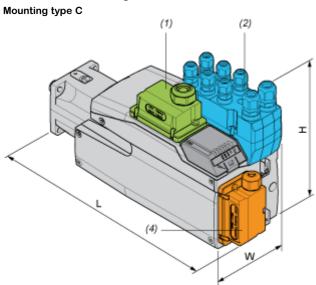
| nsions | |
|--------|--|
| | |

| W | Н | L |
|----|-------|-----|
| 99 | 138,5 | 376 |

Dimensions in in.

| W | Н | L |
|------|------|------|
| 3,90 | 5,45 | 14,8 |

With External Braking Resistor



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

Dimensions in mm

| W | Н | L |
|----|-----|-----|
| 99 | 187 | 339 |

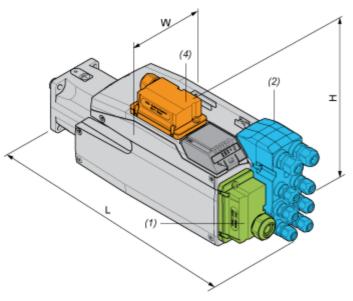
Dimensions in in.

| W | L | |
|------|------|-------|
| 3,90 | 7,36 | 13,35 |

Mounting type D

Product data sheet

BMI0702T26F



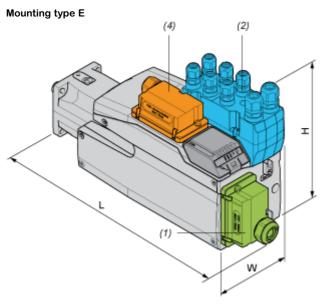
- (1) Module for supply voltage
- (2) I/O module
- External braking resistor (4)

Dimensions in mm

| W H I | | | | |
|-------|-----|-----|--|--|
| V V | 11 | L | | |
| 99 | 160 | 376 | | |

Dimensions in in.

| W | Н | L | | |
|------|-----|------|--|--|
| 3,90 | 6,3 | 14,8 | | |



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

Dimensions in mm

| W | Н | L |
|----|-----|-----|
| 99 | 187 | 366 |

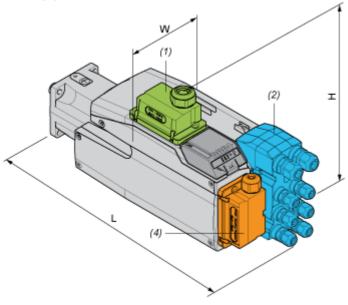
Product data sheet

BMI0702T26F

Dimensions in in.

| W | Н | L | |
|------|------|-------|--|
| 3,90 | 7,36 | 14,41 | |

Mounting type F



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

Dimensions in mm

| W | Н | L | | |
|----|-----|-----|--|--|
| 99 | 180 | 376 | | |

Dimensions in in

| W | Н | L | |
|------|------|------|--|
| 3,90 | 7,09 | 14,8 | |

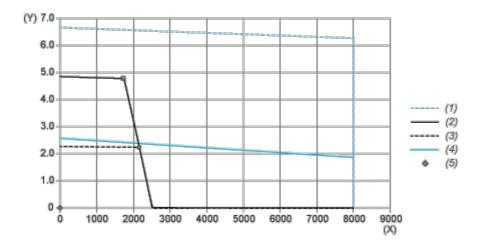
Life Is On Schneider

BMI0702T26F

Performance Curves

Performance Curves

Torque/Speed Curves with 115 V Single Phase Supply Voltage

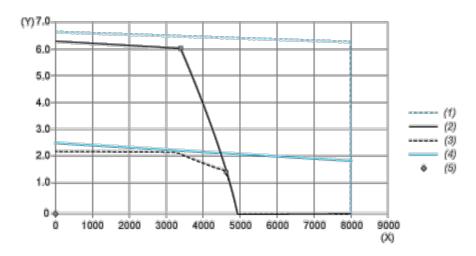


- (X) Speed (rpm)
- (Y) Torque (N.m)
- (1) Motor peak
- (2) Drive peak
- (3) Drive cont
- (4) Motor cont
- (5) Operating point

| | | Power | At Speed | With Torque |
|-------------------------|---|-------|----------|-------------|
| max. Peak Power | | 860 W | 1760 rpm | 4.67 N.m |
| max Cont. Power (Drive) | • | 499 W | 2160 rpm | 2.21 N.m |

Performance Curves

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 | | 2129 W | 3360 rpm | 6.05 N.m |
| max Cont. Power (Drive) | • | 736 W | 4640 rpm | 1.51 N.m |