

# Product datasheet

Specifications



## Servo motor, Easy Lexium 18, 750W, M80, 23 bits, OPTO INC

BCH18MF07332A5C

### Main

Range compatibility	Easy Lexium 18
Device short name	BCH18
Product or component type	Servo motor

### Complementary

Maximum mechanical speed	6000.0 rpm
[Us] rated supply voltage	200...240 V
Continuous stall current	4.9 A
Continuous stall torque	2.39 N.m, 220 V
Continuous power	750 W
Peak stall torque	8.37 N.m, 220 V
Nominal output power	750 W, 220 V
Nominal torque	2.39 N.m, 220 V
Nominal speed	3000 rpm, 220 V
Maximum permanent current	17.3 A
Shaft end	Parallel key
Shaft diameter	19.0 mm
Shaft length	35.0 mm
Key width	6.0 mm
Feedback type	23 bits optic incremental encoder
Holding brake	Without
Mounting support	Asian standard flange
Motor flange size	80 mm
Electrical connection	2 connectors male/female
Torque constant	0.49 N.m/A at 40 °C
Back emf constant	31.0 V/krpm at 40 °C
Number of motor poles	5.0
Rotor inertia	1.79 kg.cm <sup>2</sup>
Stator resistance	1.5 Ohm
Stator inductance	5.0 mH
Maximum radial force Fr	392 N

Maximum axial force Fa	147 N
Length	113.7 mm
Number of mounting holes	4.0
Circle diameter of the mounting holes	6.5 mm
Width	113.7 mm
Height	80.0 mm
Depth	88.6 mm
Product weight	2.5 kg
Encoder type	Optic encoder
Inertia	0.0 kg.cm <sup>2</sup> of brake 1.79 kg.cm <sup>2</sup> of motor

## Environment

IP degree of protection	IP67
Ambient air temperature for operation	0...40 °C

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	13.8 cm
Package 1 Width	18.2 cm
Package 1 Length	28.3 cm
Package 1 Weight	2.7 kg
Unit Type of Package 2	S04
Number of Units in Package 2	8
Package 2 Height	30.0 cm
Package 2 Width	39.7 cm
Package 2 Length	59.8 cm
Package 2 Weight	21.6 kg

## Contractual warranty

Warranty (in months)	18
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## Environmental Data

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

Total lifecycle Carbon footprint	7 602 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	32 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.3 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	7 570 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.4 kg CO2 eq.
Environmental Disclosure	<a href="#">Product Environmental Profile</a>

### Use Better



### Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	<a href="#">Compliant By Exemption</a>
REACH Regulation	<a href="#">Reference contains Substances of Very High Concern above the threshold</a>

### Use Longer



### Lifetime extension

Repair	No
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### Use Again



### Repack and remanufacture

End of life manual availability	<a href="#">End of Life Information</a>
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