

# Product datasheet

Specifications



## Servo motor BEH18, Lexium 18, 750W, 220V, M80, 17bit, MAG MT

BEH18MF0733MA5C

### Main

Range	Lexium 18
Range compatibility	Easy Lexium 18
Device short name	BEH18
Product or component type	Servo motor

### Complementary

Maximum mechanical speed	6000.0 rpm
[Us] rated supply voltage	220 V
Network number of phases	Single phase
Continuous stall current	4.7 A
Continuous stall torque	2.39 N.m, 220 V, single phase
Continuous power	750 W
Peak stall torque	8.37 N.m, 220 V, single phase
Nominal output power	750 W, 220 V, single phase
Nominal torque	2.39 N.m, 220 V, single phase
Nominal speed	3000 rpm, 220 V, single phase
Maximum current Irms	at 0.75 kW, 220 V
Maximum permanent current	16 A
Product compatibility	Motion servo drive motion servo motors motor at 0.75 kW, 220 V, single phase
Shaft end	Parallel key
Shaft diameter	19.0 mm
Shaft length	35.0 mm
Feedback type	17 bits magnetic multi turn encoder
Speed feedback resolution	131072 points/turn
Holding brake	Without
Mounting support	Asian standard flange
Motor flange size	80 mm
Electrical connection	2 connectors male/female
Torque constant	0.509 N.m/A at 40 °C
Back emf constant	34.4 V/krpm at 40 °C
Number of motor poles	10

Rotor inertia	1.72 kg.cm <sup>2</sup>
Maximum radial force Fr	392 N
Maximum axial force Fa	147 N
Length	94.6 mm
Number of mounting holes	4
Circle diameter of the mounting holes	6.4 mm
Width	94.6 mm
Height	80 mm
Depth	89.9 mm
Product weight	2.15 kg
Network number of phases	3
Encoder type	Magnetic encoder

## 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	9.7 cm
Package 1 Width	15.5 cm
Package 1 Length	25.4 cm
Package 1 Weight	2.4 kg
Unit Type of Package 2	S03
Number of Units in Package 2	4
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	11.45 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	6 454 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	18 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.4 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.5 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	6 431 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	4 kg CO2 eq.
Environmental Disclosure	<a href="#">Product Environmental Profile</a>

## Use Better



### Materials and Substances

Packaging made with recycled cardboard	No
Packaging without single use plastic	No
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

Recyclability potential, in %	1
End of life manual availability	<a href="#">End of Life Information</a>
Take-back	No

Image of product / Alternate images

Alternative

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