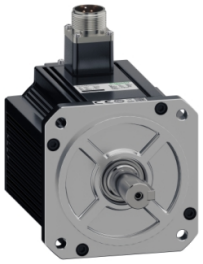
Product datasheet

Specifications



Servo motor, Easy Lexium 18, 1.3kW, M130, 23 bits, OPTO INC

BCH18MM13132A6C

Main

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

Complementary

Maximum mechanical speed	3000.0 rpm
[Us] rated supply voltage	200...240 V
Continuous stall current	9.6 A
Continuous stall torque	8.34 N.m, 220 V
Continuous power	1300 W
Peak stall torque	25.02 N.m, 220 V
Nominal output power	1300 W, 220 V
Nominal torque	8.34 N.m, 220 V
Nominal speed	1500 rpm, 220 V
Maximum permanent current	29.2 A
Shaft end	Parallel key
Shaft diameter	22.0 mm
Shaft length	55 mm
Key width	8.0 mm
Feedback type	23 bits optic incremental encoder
Holding brake	Without
Mounting support	Asian standard flange
Motor flange size	130 mm
Electrical connection	2 connectors male/female
Torque constant	0.87 N.m/A at 40 °C
Back emf constant	55.8 V/krpm at 40 °C
Number of motor poles	5.0
Rotor inertia	20.88 kg.cm²
Stator resistance	0.38 Ohm
Stator inductance	4.2 mH
Maximum radial force Fr	686 N

Maximum axial force Fa	343 N
Length	170.9 mm
Number of mounting holes	4.0
Circle diameter of the mounting holes	9.0 mm
Width	170.9 mm
Height	130.0 mm
Depth	182.4 mm
Net weight	9 kg
Encoder type	Optic encoder
Inertia	0.0 kg.cm² of brake 20.88 kg.cm² 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	25 cm
Package 1 Width	20 cm
Package 1 Length	40 cm
Package 1 Weight	10.12 kg
Unit Type of Package 2	P06
Number of Units in Package 2	18
Package 2 Height	105.0 cm
Package 2 Width	60.0 cm
Package 2 Length	80.0 cm
Package 2 Weight	182.16 kg

Contractual warranty

Warranty (in months)	18

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	**11 381 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**
Carbon footprint of the manufacturing phase [A1 to A3]	**110 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**1 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0.1 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**11 269 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**1 kg CO2 eq.**

Use Better

Materials and Packaging

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**

Use Longer

Lifetime extension

Repair	**No**

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**