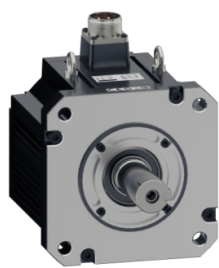


Product datasheet

Specifications



Servo motor, Easy Lexium 18, 2.4kW, M180, 23 bits, OPTO INC

BCH18MR24132A6C

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	18.2 A
Continuous stall torque	15.1 N.m, 220 V
Continuous power	2400 W
Peak stall torque	45.3 N.m, 220 V
Nominal output power	2400 W, 220 V
Nominal torque	15.1 N.m, 220 V
Nominal speed	1500 rpm, 220 V
Maximum permanent current	56.0 A
Shaft end	Parallel key
Shaft diameter	35 mm
Shaft length	79 mm
Key width	10 mm
Feedback type	23 bits optic incremental encoder
Holding brake	Without
Mounting support	Asian standard flange
Motor flange size	180 mm
Electrical connection	2 connectors male/female
Torque constant	0.81 N.m/A at 40 °C
Back emf constant	53.4 V/krpm at 40 °C
Number of motor poles	5.0
Rotor inertia	46.32 kg.cm²
Stator resistance	0.113 Ohm
Stator inductance	2.28 mH
Maximum radial force Fr	1470 N

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Maximum axial force Fa	490 N
Length	193 mm
Number of mounting holes	4.0
Circle diameter of the mounting holes	13.5 mm
Width	193.0 mm
Height	180.0 mm
Depth	231.2 mm
Net weight	17.95 kg
Encoder type	Optic encoder
Inertia	0.0 kg.cm² of brake 46.32 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	35.4 cm
Package 1 Width	30 cm
Package 1 Length	40 cm
Package 1 Weight	19.88 kg
Unit Type of Package 2	P06
Number of Units in Package 2	8
Package 2 Height	105.0 cm
Package 2 Width	60.0 cm
Package 2 Length	80.0 cm
Package 2 Weight	159.04 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	19 316 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Carbon footprint of the manufacturing phase [A1 to A3]	217 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	2 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]	19 093 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	3 kg CO2 eq.

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold

Use Longer



Lifetime extension

Repair	No
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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