Product datasheet

Specifications

Servo motor, Easy Lexium 18, 1kW, L80, 23 bits, OPTO INC

BCH18LF10332A5C

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	6.8 A
Continuous stall torque	3.18 N.m, 220 V
Continuous power	1000 W
Peak stall torque	9.54 N.m, 220 V
Nominal output power	1000 W, 220 V
Nominal torque	3.18 N.m, 220 V
Nominal speed	3000 rpm, 220 V
Maximum permanent current	21.5 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	0.47 N.m/A at 40 °C
Back emf constant	31 V/krpm at 40 °C
Number of motor poles	5.0
Rotor inertia	0.994 kg.cm²
Stator resistance	0.59 Ohm
Stator inductance	3.8 mH
Maximum radial force Fr	392 N

Maximum axial force Fa	147 N
Length	118.5 mm
Number of mounting holes	4.0
Circle diameter of the mounting holes	6.5 mm
Width	118.5 mm
Height	80.0 mm
Depth	88.6 mm
Net weight	2.8 kg
Encoder type	Optic 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	13.8 cm
Package 1 Width	18.2 cm
Package 1 Length	28.3 cm
Package 1 Weight	3.0 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	24.0 kg

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	9417
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant
REACh Regulation	REACh Declaration

Use Again

Repack and remanufacture

End of life manual availability	End of Life Information
Take-back	No