Product datasheet

Specifications

Servo motor, Easy Lexium 18, 400W, M60, 23 bits, OPTO INC

BCH18MD04332A5C

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	2.6 A
Continuous stall torque	1.27 N.m, 220 V
Continuous power	400 W
Peak stall torque	4.45 N.m, 220 V
Nominal output power	400 W, 220 V
Nominal torque	1.27 N.m, 220 V
Nominal speed	3000 rpm, 220 V
Maximum permanent current	5.9 A
Shaft end	Parallel key
Shaft diameter	14.0 mm
Shaft length	30.0 mm
key width	5.0 mm
Feedback type	23 bits optic incremental encoder
Holding brake	Without
Mounting support	Asian standard flange
Motor flange size	60 mm
Electrical connection	2 connectors male/female
Torque constant	0.4 N.m/A at 40 °C
Back emf constant	28.1 V/krpm at 40 °C
Number of motor poles	5.0
Rotor inertia	0.328 kg.cm²
Stator resistance	3.26 Ohm
Stator inductance	9.4 mH
Maximum radial force Fr	254 N

Maximum axial force Fa	74 N
Length	96.1 mm
Number of mounting holes	4.0
Circle diameter of the mounting holes	5.5 mm
Width	96.1 mm
Height	60.0 mm
Depth	68.6 mm
Net weight	1.15 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	12.2 cm
Package 1 Length	26.8 cm
Package 1 Weight	1.3 kg
Unit Type of Package 2	S03
Number of Units in Package 2	6
Package 2 Height	30.0 cm
Package 2 Width	29.9 cm
Package 2 Length	39.8 cm
Package 2 Weight	7.8 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	**3321**
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**