Product data sheet
Characteristics

BCH18MF0733CA5C
Servo motor BCH18, Lexium 18, 750w, M80, 23bit, OPTO MT



Main

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

Complementary

Maximum mechanical speed	6000.0 Rpm
[Us] rated supply voltage	220 V
Continuous stall current	4.9 A
Continuous stall torque	2.39 N.M, 220 V
Continuous power	750 W
Peak stall torque	8.37 N.M, 220 V
Nominal output power	750 W, 220 V
Nominal torque	2.39 N.M, 220 V
Nominal speed	3000 rpm, 220 V
Maximum current Irms	At 0.75 kW, 220 V
Maximum permanent current	17.3 A
Product compatibility	Motion servo drive motion servo motors motor at 0.75 kW, 220 V
Shaft end	Parallel key
Shaft diameter	19.0 Mm
Shaft length	35.0 Mm
Key width	6.0 Mm
Feedback type	23 bits optic multi turn encoder
Holding brake	Without
Mounting support	Asian standard flange
Motor flange size	80 Mm
Electrical connection	2 connectors male/female
Number of motor poles	5.0
Rotor inertia	1.79 Kg.Cm²
Stator resistance	1.5 Ohm
Stator inductance	5.0 MH
Maximum radial force Fr	392 N
Maximum axial force Fa	147 N
Length	113.7 Mm
Number of mounting holes	4
Circle diameter of the mounting holes	6.5 Mm
Width	113.7 Mm

Height	80.0 Mm
Depth	88.6 Mm
Net weight	2.5 Kg
Encoder type	Optic encoder
Inertia	0.0 Kg.Cm² of brake 1.79 Kg.Cm² of motor

Environment

IP degree of protection	IP67

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	2.943 Kg
Unit Type of Package 2	S04
Number of Units in Package 2	8
Package 2 Height	30 Cm
Package 2 Width	40 Cm
Package 2 Length	60 Cm
Package 2 Weight	23.544 Kg

Offer Sustainability

Total lifecycle Carbon footprint	6 528 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	24.781690140845072
Carbon footprint of the manufacturing phase [A1 to A3]	25 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.39989436619718316
Carbon footprint of the distribution phase [A4]	0.4 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.8650352112676056
Carbon footprint of the installation phase [A5]	0.9 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	6497.995517312449
Carbon footprint of the use phase [B2, B3, B4, B6]	6 498 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	3.7580985915492957
Carbon footprint of the end-of-life phase [C1 to C4]	4 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	6528
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
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

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised