Product data sheet
Characteristics

BEH18MD0433MA5C
Servo motor BEH18, Lexium 18, 400W, 220V, M60, 17bit, MAG MT



Main

Range of product	Lexium 18
Range compatibility	Lexium 18
Product or component type	Servo motor
Device short name	BEH18

Complementary

Maximum mechanical speed	6000.0 Rpm
[Us] rated supply voltage	220 V
Network number of phases	Single phase
Continuous stall current	2.6 A
Continuous stall torque	1.27 N.M, 220 V, single phase
Continuous power	400 W
Peak stall torque	4.45 N.M, 220 V, single phase
Nominal output power	400 W, 220 V, single phase
Nominal torque	1.27 N.M, 220 V, single phase
Nominal speed	3000 rpm, 220 V, single phase
Maximum current Irms	At 0.4 kW, 220 V
Maximum permanent current	8.7 A
Product compatibility	Motion servo drive motion servo motors motor at 0.4 kW, 220 V, single phase
Shaft end	Parallel key
Shaft diameter	14.0 Mm
Shaft length	30.0 Mm
Feedback type	17 bits magnetic multi turn encoder
Speed feedback resolution	131072 points/turn
Holding brake	Without
Mounting support	Asian standard flange
Motor flange size	60 Mm
Electrical connection	2 connectors male/female
Torque constant	0.488 N.M/A at 40 °C
Back emf constant	33.9 V/Krpm at 40 °C
Number of motor poles	10
Rotor inertia	0.59 Kg.Cm²
Maximum radial force Fr	245 N
Maximum axial force Fa	74 N
Length	88 Mm
Number of mounting holes	4
Circle diameter of the mounting holes	5.5 Mm

Width	88 Mm
Height	60 Mm
Depth	70.2 Mm
Net weight	1.14 Kg
Network number of phases	3
Encoder type	Magnetic 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	7.8 Cm
Package 1 Width	11.5 Cm
Package 1 Length	21.8 Cm
Package 1 Weight	1.3 Kg
Unit Type of Package 2	S03
Number of Units in Package 2	9
Package 2 Height	30 Cm
Package 2 Width	30 Cm
Package 2 Length	40 Cm
Package 2 Weight	13.34 Kg

Offer Sustainability

Total lifecycle Carbon footprint	4 117 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	8.364749999999999
Carbon footprint of the manufacturing phase [A1 to A3]	8 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.1823525
Carbon footprint of the distribution phase [A4]	0.2 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.21610125
Carbon footprint of the installation phase [A5]	0.2 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	4106.42175980975
Carbon footprint of the use phase [B2, B3, B4, B6]	4 106 kg CO2 eq.
Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	2.1321324999999995
Carbon footprint of the end-of-life phase [C1 to C4]	2 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	4117
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

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised