Product data sheet
Characteristics

BCH1001O31A1C
servo motor BCH, Lexium 23 Plus, smooth, 20 bit encoder, straight connection



Commercial status
End of Commercialisation : JAN 19, 2021

⚠ End of Commercialisation

Main

Range of product	Lexium 23 Plus
Range compatibility	Lexium 23 Plus
Product or component type	Servo motor
Device short name	BCH

Complementary

Maximum mechanical speed	5000 Rpm
[Us] rated supply voltage	220 V
Network number of phases	Single phase
Continuous stall current	0.9 A
Continuous power	0.1 KW
Shaft end	Smooth shaft
Second shaft	Without second shaft end
Shaft diameter	8 Mm
Shaft length	20 Mm
Feedback type	20 bits incremental encoder
Holding brake	Without
Mounting support	Asian standard flange
Motor flange size	40 Mm
Torque constant	0.36 N.M/A
Back emf constant	13.6 V/Krpm at 20 °C
Rotor inertia	0.037 Kg.Cm²
Stator resistance	18.6 Ohm at 20 °C
Stator inductance	48 MH at 20 °C
Stator electrical time constant	2.58 Ms at 20 °C
Maximum radial force Fr	78.4 N
Maximum axial force Fa	39.2 N
Brake pull-in power	7.3 W
Type of cooling	Natural convection
Length	100.6 Mm
Number of motor stacks	1
Centring collar diameter	30 Mm
Centring collar depth	2.5 Mm
Number of mounting holes	4
Mounting holes diameter	4.5 Mm

Circle diameter of the mounting holes	46 Mm
Distance shaft shoulder-flange	20 Mm
Net weight	0.5 Kg

Environment

IP degree of protection	IP65
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	18.2 Cm
Package 1 Width	23.5 Cm
Package 1 Length	31.8 Cm
Package 1 Weight	4.6 Kg

Offer Sustainability

Sustainable packaging	No

Contractual warranty

Warranty (in months)	18

Product Life Status : End of commercialisation