



Commercial status

End of Commercialisation :

⚠ End of Commercialisation

Main

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	18.6 Cm
Package 1 Width	14.2 Cm
Package 1 Length	25.7 Cm
Package 1 Weight	3.3 Kg

Product Life Status : **Post commercialisation**