Product data sheet
Characteristics

BCH0802O12A1C
servo motor BCH, no oil seal, w key, 20-bit encoder, w/o brake-straight con



Commercial status
End of Commercialisation : DEC 31, 2018

⚠ 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	5.1 A
Continuous power	0.75 KW
Shaft end	Keyed
Second shaft	Without second shaft end
Shaft diameter	19 Mm
Shaft length	37 Mm
Key width	6 Mm
Feedback type	20 bits incremental encoder
Holding brake	Without
Mounting support	Asian standard flange
Motor flange size	80 Mm
Torque constant	0.47 N.M/A
Back emf constant	17.2 V/Krpm at 20 °C
Rotor inertia	1.13 Kg.Cm²
Stator resistance	0.84 Ohm at 20 °C
Stator inductance	7.06 MH at 20 °C
Stator electrical time constant	8.37 Ms at 20 °C
Maximum radial force Fr	245 N
Maximum axial force Fa	98 N
Brake pull-in power	8.2 W
Type of cooling	Natural convection
Length	138.3 Mm
Number of motor stacks	2
Centring collar diameter	70 Mm
Centring collar depth	3 Mm
Number of mounting holes	4

Mounting holes diameter	6.6 Mm
Circle diameter of the mounting holes	90 Mm
Distance shaft shoulder-flange	29.5 Mm
Net weight	3 Kg

Environment

IP degree of protection	IP40
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	3.286 Kg

Offer Sustainability

Sustainable packaging	No
Environmental Disclosure	Product Environmental Profile
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 : End of commercialisation