



Main

Range compatibility	Easy Lexium 16
Product or component type	Servo motor
Device short name	BCH16

Complementary

Maximum mechanical speed	5000 rpm
[Us] rated supply voltage	220 V
Network number of phases	3 phases
Continuous stall current	2.6 A
Continuous stall torque	1.27 N.m for LXM16D at 4.52 A, 220 V, single phase
Continuous power	400 W
Peak stall torque	3.81 N.m for LXM16D at 4.52 A, 220 V, single phase
Nominal output power	400 W for LXM16D at 4.52 A, 220 V, single phase
Nominal torque	1.27 N.m for LXM16D at 4.52 A, 220 V, single phase
Nominal speed	3000 rpm for LXM16D at 4.52 A, 220 V, single phase
Maximum current Irms	7.8 A for LXM16D at 0.4 kW, 220 V
Maximum permanent current	8.1 A
Product compatibility	LXM16D motion servo motors motor at 0.4 kW, 220 V, single phase
Shaft end	Parallel key
Second shaft	Without second shaft end
Shaft diameter	14 mm
Shaft length	20 mm
Key width	5 mm
Feedback type	23 bit high resolution encoder
Holding brake	Without
Holding torque	1.5 N.m
Mounting support	Asian standard flange
Motor flange size	60 mm
Electrical connection	Free lead
Torque constant	0.47 N.m/A at 20 °C
Back emf constant	32.78 V/krpm at 20 °C
Rotor inertia	0.67 kg.cm ²
Stator resistance	3.3 Ohm at 20 °C
Stator inductance	11 mH at 20 °C
Stator electrical time constant	3.33 ms at 20 °C
Maximum radial force Fr	220.5 N at 3000 rpm
Maximum axial force Fa	61.74 N
Type of cooling	Natural convection
Length	128.5 mm

Centring collar diameter	50 mm
Centring collar depth	3 mm
Number of mounting holes	4
Mounting holes diameter	5.5 mm
Circle diameter of the mounting holes	70 mm
Distance shaft shoulder-flange	25 mm
Width	60 mm
Height	73 mm
Depth	128.5 mm
Product weight	1.53 kg

Environment

IP degree of protection	IP65 IM B5, IM V1 IP65 IM V3
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	13.2 cm
Package 1 Width	11.0 cm
Package 1 Length	25.8 cm
Package 1 Weight	1.65 kg
Unit Type of Package 2	S03
Number of Units in Package 2	6
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	10.341 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov