



Main

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

Complementary

Maximum mechanical speed	3000 rpm
[Us] rated supply voltage	220 V
Network number of phases	3 phases
Continuous stall current	5.2 A
Continuous stall torque	4.77 N.m for LXM16D at 10.13 A, 220 V, single phase
Continuous power	1000 W
Peak stall torque	14.31 N.m for LXM16D at 10.13 A, 220 V, single phase
Nominal output power	1000 W for LXM16D at 10.13 A, 220 V, single phase
Nominal torque	4.77 N.m for LXM16D at 10.13 A, 220 V, single phase
Nominal speed	2000 rpm for LXM16D at 10.13 A, 220 V, single phase
Maximum current Irms	21.9 A for LXM16D at 1.0 kW, 220 V
Maximum permanent current	15.6 A
Product compatibility	LXM16D motion servo motors motor at 1 kW, 220 V, single phase
Shaft end	Parallel key
Second shaft	Without second shaft end
Shaft diameter	22 mm
Shaft length	35 mm
Key width	8 mm
Feedback type	23 bit high resolution encoder
Holding brake	Without
Holding torque	15.0 N.m
Mounting support	Asian standard flange
Motor flange size	130 mm
Electrical connection	Connector MIL
Torque constant	0.92 N.m/A at 20 °C
Back emf constant	60.8 V/krpm at 20 °C
Rotor inertia	10.88 kg.cm ²
Stator resistance	1.2 Ohm at 20 °C
Stator inductance	9.5 mH at 20 °C
Stator electrical time constant	7.92 ms at 20 °C
Maximum radial force Fr	578.2 N at 2000 rpm
Maximum axial force Fa	211.68 N
Type of cooling	Natural convection
Length	144.3 mm

Centring collar diameter	110 mm
Centring collar depth	6 mm
Number of mounting holes	4
Mounting holes diameter	9 mm
Circle diameter of the mounting holes	145 mm
Distance shaft shoulder-flange	50 mm
Width	130 mm
Height	183.4 mm
Depth	144.3 mm
Product weight	5.7 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	27.5 cm
Package 1 Width	18 cm
Package 1 Length	36 cm
Package 1 Weight	6.59 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