



## Main

Range compatibility	Lexium 28
Product or component type	Servo motor
Device short name	BCH2

## Complementary

Maximum mechanical speed	3000 rpm
[Us] rated supply voltage	220 V
Network number of phases	Single phase Three phase
Continuous stall current	5.77 A
Continuous stall torque	4.77 N.m for LXM26D at 7 mA, 220 V, three phase 4.77 N.m for LXM26D at 7 mA, 220 V, single phase 4.77 N.m for LXM28A at 7 mA, 220 V, three phase 4.77 N.m for LXM28A at 7 mA, 220 V, single phase
Continuous power	1000 W
Peak stall torque	14.3 N.m for LXM26D at 7 mA, 220 V, three phase 14.3 N.m for LXM26D at 7 mA, 220 V, single phase 14.3 N.m for LXM28A at 7 mA, 220 V, three phase 14.3 N.m for LXM28A at 7 mA, 220 V, single phase
Nominal output power	1000 W for LXM26D at 7 mA, 220 V, three phase 1000 W for LXM26D at 7 mA, 220 V, single phase 1000 W for LXM28A at 7 mA, 220 V, three phase 1000 W for LXM28A at 7 mA, 220 V, single phase
Nominal torque	4.77 N.m for LXM26D at 7 mA, 220 V, three phase 4.77 N.m for LXM26D at 7 mA, 220 V, single phase 4.77 N.m for LXM28A at 7 mA, 220 V, three phase 4.77 N.m for LXM28A at 7 mA, 220 V, single phase
Nominal speed	2000 rpm for LXM26D at 7 mA, 220 V, three phase 2000 rpm for LXM26D at 7 mA, 220 V, single phase 2000 rpm for LXM28A at 7 mA, 220 V, three phase 2000 rpm for LXM28A at 7 mA, 220 V, single phase
Maximum current Irms	19.64 A for LXM26D at 1 kW, 220 V 19.64 A for LXM28A at 1 kW, 220 V
Maximum permanent current	6.29 A
Product compatibility	LXM26D servo drive motor at 1 kW, 220 V, three phase LXM26D servo drive motor at 1 kW, 220 V, single phase LXM28A servo drive motor at 1 kW, 220 V, three phase LXM28A servo drive motor at 1 kW, 220 V, single phase
Shaft end	Keyed
Shaft diameter	22 mm
Shaft length	55 mm
Key width	8 mm
Feedback type	20 bits single turn absolute encoder
Holding brake	Without
Mounting support	Asian standard flange
Motor flange size	130 mm

Electrical connection	MIL connector
Torque constant	0.83 N.m/A at 20 °C
Back emf constant	50 V/krpm at 20 °C
Rotor inertia	6.63 kg.cm <sup>2</sup>
Stator resistance	0.62 Ohm at 20 °C
Stator inductance	7.4 mH at 20 °C
Stator electrical time constant	11.94 ms at 20 °C
Maximum radial force Fr	670 N 2000 rpm
Maximum axial force Fa	200 N
Brake pull-in power	19.7 W
Type of cooling	Natural convection
Length	147 mm
Number of motor stacks	1
Centring collar diameter	110 mm
Centring collar depth	8 mm
Number of mounting holes	4
Mounting holes diameter	9.2 mm
Circle diameter of the mounting holes	145 mm
Distance shaft shoulder-flange	8 mm
Product weight	8.1 kg

## Environment

IP degree of protection	IP65 IM B5, IM V1 IP50 IM V3
Ambient air temperature for operation	-20...40 °C

## Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 1442 - <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold