



## Main

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

## Complementary

Maximum mechanical speed	5000 rpm
[Us] rated supply voltage	220 V
Network number of phases	Single phase Three phase
Continuous stall current	5.83 A
Continuous stall torque	3.18 N.m for LXM26D at 7 mA, 220 V, three phase 3.18 N.m for LXM26D at 7 mA, 220 V, single phase 3.18 N.m for LXM28A at 7 mA, 220 V, three phase 3.18 N.m for LXM28A at 7 mA, 220 V, single phase
Continuous power	1000 W
Peak stall torque	9.54 N.m for LXM26D at 7 mA, 220 V, three phase 9.54 N.m for LXM26D at 7 mA, 220 V, single phase 9.54 N.m for LXM28A at 7 mA, 220 V, three phase 9.54 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	3.18 N.m for LXM26D at 7 mA, 220 V, three phase 3.18 N.m for LXM26D at 7 mA, 220 V, single phase 3.18 N.m for LXM28A at 7 mA, 220 V, three phase 3.18 N.m for LXM28A at 7 mA, 220 V, single phase
Nominal speed	3000 rpm for LXM26D at 7 mA, 220 V, three phase 3000 rpm for LXM26D at 7 mA, 220 V, single phase 3000 rpm for LXM28A at 7 mA, 220 V, three phase 3000 rpm for LXM28A at 7 mA, 220 V, single phase
Maximum current Irms	18.9 A for LXM26D at 1 kW, 220 V 18.9 A for LXM28A at 1 kW, 220 V
Maximum permanent current	6.64 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	45 mm
Key width	8 mm
Feedback type	20 bits single turn absolute encoder
Holding brake	Without
Mounting support	Asian standard flange
Motor flange size	100 mm

Electrical connection	MIL connector
Torque constant	0.55 N.m/A at 20 °C
Back emf constant	33 V/krpm at 20 °C
Rotor inertia	2.4 kg.cm <sup>2</sup>
Stator resistance	0.67 Ohm at 20 °C
Stator inductance	4.2 mH at 20 °C
Stator electrical time constant	6.27 ms at 20 °C
Maximum radial force Fr	570 N 3000 rpm
Maximum axial force Fa	200 N
Brake pull-in power	10.4 W
Type of cooling	Natural convection
Length	153.5 mm
Number of motor stacks	1
Centring collar diameter	95 mm
Centring collar depth	7 mm
Number of mounting holes	4
Mounting holes diameter	9.2 mm
Circle diameter of the mounting holes	115 mm
Distance shaft shoulder-flange	7 mm
Product weight	6.5 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