



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	0.54 A
Continuous stall torque	0.16 N.m for LXM26D at 0.64 mA, 220 V, three phase 0.16 N.m for LXM26D at 0.64 mA, 220 V, single phase 0.16 N.m for LXM28A at 0.64 mA, 220 V, three phase 0.16 N.m for LXM28A at 0.64 mA, 220 V, single phase
Continuous power	50 W
Peak stall torque	0.48 N.m for LXM26D at 0.64 mA, 220 V, three phase 0.48 N.m for LXM26D at 0.64 mA, 220 V, single phase 0.48 N.m for LXM28A at 0.64 mA, 220 V, three phase 0.48 N.m for LXM28A at 0.64 mA, 220 V, single phase
Nominal output power	50 W for LXM26D at 0.64 mA, 220 V, three phase 50 W for LXM26D at 0.64 mA, 220 V, single phase 50 W for LXM28A at 0.64 mA, 220 V, three phase 50 W for LXM28A at 0.64 mA, 220 V, single phase
Nominal torque	0.16 N.m for LXM26D at 0.64 mA, 220 V, three phase 0.16 N.m for LXM26D at 0.64 mA, 220 V, single phase 0.16 N.m for LXM28A at 0.64 mA, 220 V, three phase 0.16 N.m for LXM28A at 0.64 mA, 220 V, single phase
Nominal speed	3000 rpm for LXM26D at 0.64 mA, 220 V, three phase 3000 rpm for LXM26D at 0.64 mA, 220 V, single phase 3000 rpm for LXM28A at 0.64 mA, 220 V, three phase 3000 rpm for LXM28A at 0.64 mA, 220 V, single phase
Maximum current Irms	1.77 A for LXM26D at 0.05 kW, 220 V 1.77 A for LXM28A at 0.05 kW, 220 V
Maximum permanent current	0.59 A
Product compatibility	LXM26D servo drive motor at 0.05 kW, 220 V, three phase LXM26D servo drive motor at 0.05 kW, 220 V, single phase LXM28A servo drive motor at 0.05 kW, 220 V, three phase LXM28A servo drive motor at 0.05 kW, 220 V, single phase
Shaft end	Keyed
Shaft diameter	8 mm
Shaft length	25 mm
Key width	3 mm
Feedback type	20 bits single turn absolute encoder
Holding brake	Without
Mounting support	Asian standard flange
Motor flange size	40 mm

Electrical connection	Free lead
Torque constant	0.3 N.m/A at 20 °C
Back emf constant	18 V/krpm at 20 °C
Rotor inertia	0.054 kg.cm ²
Stator resistance	31 Ohm at 20 °C
Stator inductance	24.7 mH at 20 °C
Stator electrical time constant	0.8 ms at 20 °C
Maximum radial force Fr	85 N 3000 rpm
Maximum axial force Fa	40 N
Brake pull-in power	4.35 W
Type of cooling	Natural convection
Length	82 mm
Number of motor stacks	1
Centring collar diameter	30 mm
Centring collar depth	3 mm
Number of mounting holes	4
Mounting holes diameter	4.5 mm
Circle diameter of the mounting holes	46 mm
Distance shaft shoulder-flange	3 mm
Product weight	0.64 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 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold