

Product availability: Stock - Normally stocked in distribution facility



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
Phase	Three phase Single phase
Continuous stall current	1.11 A
Continuous stall torque	0.64 N.m for LXM26D at 1.5 A, 220 V, single phase 0.64 N.m for LXM26D at 1.5 A, 220 V, three phase 0.64 N.m for LXM28... at 1.5 A, 220 V, single phase 0.64 N.m for LXM28... at 1.5 A, 220 V, three phase 0.64 N.m for LXM28... at 3.6 A, 110 V, single phase
Continuous power	200 W
Peak stall torque	1.92 N.m for LXM26D at 1.5 A, 220 V, single phase 1.92 N.m for LXM26D at 1.5 A, 220 V, three phase 1.92 N.m for LXM28... at 1.5 A, 220 V, single phase 1.92 N.m for LXM28... at 1.5 A, 220 V, three phase 1.92 N.m for LXM28... at 3.6 A, 110 V, single phase
Nominal output power	200 W for LXM26D at 1.5 A, 220 V, single phase 200 W for LXM26D at 1.5 A, 220 V, three phase 200 W for LXM28... at 1.5 A, 220 V, single phase 200 W for LXM28... at 1.5 A, 220 V, three phase 200 W for LXM28... at 3.6 A, 110 V, single phase
Nominal torque	0.64 N.m for LXM26D at 1.5 A, 220 V, single phase 0.64 N.m for LXM26D at 1.5 A, 220 V, three phase 0.64 N.m for LXM28... at 1.5 A, 220 V, single phase 0.64 N.m for LXM28... at 1.5 A, 220 V, three phase 0.64 N.m for LXM28... at 3.6 A, 110 V, single phase
Nominal speed	3000 rpm for LXM26D at 1.5 A, 220 V, single phase 3000 rpm for LXM26D at 1.5 A, 220 V, three phase 3000 rpm for LXM28... at 1.5 A, 220 V, single phase 3000 rpm for LXM28... at 1.5 A, 220 V, three phase 3000 rpm for LXM28... at 3.6 A, 110 V, single phase
Maximum current Irms	4.31 A for LXM28... at 0.2 kW, 220 V 4.31 A for LXM28... at 0.2 kW, 110 V
Maximum permanent current	1.3 A
Product compatibility	LXM26D servo drive motor at 0.2 kW, 220 V, single phase LXM26D servo drive motor at 0.2 kW, 220 V, three phase LXM28... servo drive motor at 0.2 kW, 220 V, single phase LXM28... servo drive motor at 0.2 kW, 220 V, three phase LXM28... servo drive motor at 0.2 kW, 110 V, single phase
Shaft end	Keyed
Shaft diameter	0.55 in (14 mm)

Shaft length	1.18 in (30 mm)
Key width	0.2 in (5 mm)
Feedback type	20 bits single turn absolute encoder
Holding brake	Without
Mounting support	Asian standard flange
Motor flange size	2.36 in (60 mm)
Electrical connection	Free lead
Torque constant	0.58 N.m/A at 20 °C
Back emf constant	35 V/krpm at 68 °F (20 °C)
Rotor inertia	0.16 kg.cm ²
Stator resistance	12.2 Ohm at 68 °F (20 °C)
Stator inductance	22.5 mH at 20 °C
Stator electrical time constant	1.84 ms at 20 °C
Maximum radial force Fr	200 N 3000 rpm
Maximum axial force Fa	70 N
Brake pull-in power	11.2 W
Type of cooling	Natural convection
Length	4.09 in (104 mm)
Number of motor stacks	1
Centring collar diameter	1.97 in (50 mm)
Centring collar depth	0.22 in (5.5 mm)
Number of mounting holes	4
Mounting holes diameter	0.22 in (5.5 mm)
Circle diameter of the mounting holes	2.76 in (70 mm)
Distance shaft shoulder-flange	0.22 in (5.5 mm)
Product weight	2.25 lb(US) (1.02 kg)

Environment

IP degree of protection	IP65 IM B5, IM V1 IP50 IM V3
Ambient air temperature for operation	-4...104 °F (-20...40 °C)

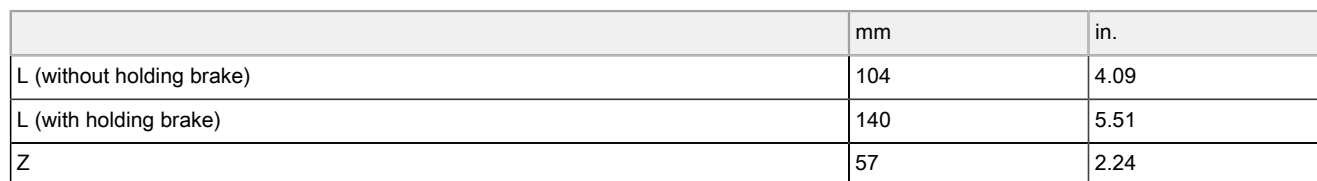
Ordering and shipping details

Category	18281 - LEXIUM 23/28 MOTORS
Discount Schedule	PC53
GTIN	00785901824534
Nbr. of units in pkg.	1
Package weight(Lbs)	3.0700000000000003
Returnability	Y
Country of origin	CN

Offer Sustainability

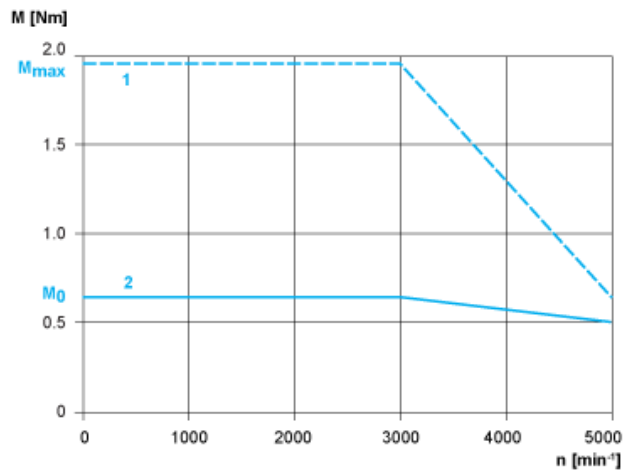
Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1442 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available Product Environmental Profile
Product end of life instructions	Need no specific recycling operations
California proposition 65	WARNING: This product can expose you to chemicals including:
- - - - - Substance 1	Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.
- - - - - More information	For more information go to www.p65warnings.ca.gov

Dimensions of Motor



Torque/Speed Curves with 230 V Single/Three Phase Supply Voltage

Servo Motor with LXM28AU02●●● Servo Drive



- 1 : Peak torque
2 : Continuous torque