

Main

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

Complementary

Maximum mechanical speed	3000 rpm
[Us] rated supply voltage	220 V
Network number of phases	Three phase
Continuous stall current	16.33 A
Continuous stall torque	14.32 N.M for LXM26D at 19.8 A, 220 V, three phase 14.32 N.m for LXM28... at 19.8 A, 220 V, three phase
Continuous power	3000 W
Peak stall torque	42.97 N.M for LXM26D at 19.8 A, 220 V, three phase 42.97 N.m for LXM28... at 19.8 A, 220 V, three phase
Nominal output power	3000 W for LXM26D at 19.8 A, 220 V, three phase 3000 W for LXM28... at 19.8 A, 220 V, three phase
Nominal torque	14.32 N.M for LXM26D at 19.8 A, 220 V, three phase 14.32 N.m for LXM28... at 19.8 A, 220 V, three phase
Nominal speed	2000 rpm for LXM26D at 19.8 A, 220 V, three phase 2000 rpm for LXM28... at 19.8 A, 220 V, three phase
Maximum current Irms	53.9 A for LXM26D at 3 kW, 220 V 53.9 A for LXM28... at 3 kW, 220 V
Maximum permanent current	18.8 A
Product compatibility	LXM26D servo drive motor at 3 kW, 220 V, three phase LXM28... servo drive motor at 3 kW, 220 V, three phase
Shaft end	Keyed
Shaft diameter	35 mm
Shaft length	79 mm
Key width	10 mm
Feedback type	20 bits single turn absolute encoder
Holding brake	With
Holding torque	48 N.m built-in
Mounting support	Asian standard flange
Motor flange size	180 mm
Electrical connection	Connector MIL
Torque constant	0.88 N.m/A at 20 °C
Back emf constant	53 V/krpm at 20 °C
Rotor inertia	54.1 kg.cm ²
Stator resistance	0.131 Ohm at 20 °C
Stator inductance	2.7 mH at 20 °C
Stator electrical time constant	20.61 ms at 20 °C
Maximum radial force Fr	1200 N at 2000 rpm

Maximum axial force Fa	497 N
Brake pull-in power	49.6 W
Type of cooling	Natural convection
Length	235 mm
Number of motor stacks	2
Centring collar diameter	114.3 mm
Centring collar depth	4 mm
Number of mounting holes	4
Mounting holes diameter	13.5 mm
Circle diameter of the mounting holes	200 mm
Distance shaft shoulder-flange	4 mm
Net weight	23 kg







Environment

IP degree of protection	IP50 IM V3 IP65 IM B5, IM V1
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	24.5 cm
Package 1 Width	29 cm
Package 1 Length	58.5 cm
Package 1 Weight	24630 g
Unit Type of Package 2	P06
Number of Units in Package 2	4
Package 2 Height	50 cm
Package 2 Width	80 cm
Package 2 Length	60 cm
Package 2 Weight	110.7 kg

Offer Sustainability

Packaging without single use plastic	No
Packaging made with recycled cardboard	No
REACH Regulation	 REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	 Yes
China RoHS Regulation	 China RoHS Declaration
Environmental Disclosure	 Product Environmental Profile
Circularity Profile	 End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
PVC free	Yes
Take-back	No
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	8383