

BRS39AW660ABA

3-phase stepper motor - 4.8 Nm - shaft Ø 12mm - L=98mm - w/o brake - term box



Product availability: Non-Stock - Not normally stocked in distribution facility

Price*: 520.00 USD

Main

Commercial Status	Commercialised
Range compatibility	Lexium SD3
Product or component type	Motion control motor
Device short name	BRS3
Maximum mechanical speed	3000
Motor type	3-phase stepper motor
Number of motor poles	6
Supply voltage limits	325 V DC 230 V AC
Mounting support	Flange
Motor flange size	3.35 in (85 mm)
Length	5.55 in (141 mm)
Centring collar diameter	2.36 in (60 mm)

Complementary

Centring collar depth	0.08 in (2 mm)
Number of mounting holes	4
Mounting holes diameter	0.26 in (6.5 mm)
Circle diameter of the mounting holes	3.9 in (98.99 mm)
Electrical connection	Terminal box
Holding brake	Without
Shaft end	Woodruff key
Second shaft	Without second shaft end
Shaft diameter	0.47 in (12 mm)
Shaft length	1.18 in (30 mm)
Nominal torque	35.4 lbf.in (4 N.m)
Holding torque	42.48 lbf.in (4.8 N.m)
Rotor inertia	2.2 kg.cm ²
Resolution	200, 400, 500, 1000, 2000, 4000, 5000, 10000 steps number of full steps per revolution 1.8 °, 0.9 °, 0.72 °, 0.36 °, 0.18 °, 0.09 °, 0.072 °, 0.036 ° step angle
Accuracy error	+/- 6 arc min
Maximum starting frequency	5.3 kHz
[In] rated current	5.8 A
Resistance	0.55 Ohm (winding)
Time constant	9 ms
Maximum radial force Fr	50 N (second shaft end) 110 N (first shaft end)

Maximum axial force Fa	30 N (force pressure) 175 N (tensile force)
Service life in hours	20000 h (bearing)
Angular acceleration	200000 rad/s ²
Product weight	7.05 lb(US) (3.2 kg)

Environment

Standards	EN 50347 IEC 60072-1
Type of cooling	Natural convection
Ambient air temperature for operation	-13...104 °F (-25...40 °C)
Ambient air temperature for storage	-13...158 °F (-25...70 °C)
Operating altitude	<= 3280.84 ft (1000 m) without power derating
Relative humidity	15...85 % without condensation
Vibration resistance	A conforming to EN/IEC 60034-14 20 m/s ² maximum
IP degree of protection	IP41 for shaft bushing without shaft seal ring conforming to EN/IEC 60034-5 IP56 for total except shaft bushing conforming to EN/IEC 60034-5
Temperature class	F class winding conforming to IEC/EN 60034-1

Ordering and shipping details

Category	18239 - BRS STEPPER MOTORS
Discount Schedule	PC51
GTIN	00785901014232
Nbr. of units in pkg.	1
Package weight(Lbs)	7.85
Product availability	Non-Stock - Not normally stocked in distribution facility
Returnability	N
Country of origin	DE

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS	Compliant - since 0623 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental
Product end of life instructions	Need no specific recycling operations

Contractual warranty

Period	18 months
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