

# Product data sheet

## Characteristics

### BRS2852A600

2-phase stepper motor - 4.5 N.m - shaft  $\tilde{\Lambda}$ 14 mm - L=80mm - without brake - 6.3A



#### Main

Range compatibility	Lexium SD2
Product or component type	Motion control motor
Device short name	BRS2
Motor type	2-phase stepper motor

#### Complementary

Maximum mechanical speed	1800 rpm
Supply voltage limits	12...48 V DC
Mounting support	Flange
Motor flange size	86 mm
Length	80 mm
Number of motor stacks	2
Centring collar diameter	73 mm
Centring collar depth	2 mm
Number of mounting holes	4
Mounting holes diameter	5.5 mm
Circle diameter of the mounting holes	98.4 mm
Electrical connection	Flying lead
Holding brake	Without
Shaft end	Smooth shaft
Second shaft	Without second shaft end
Shaft diameter	14 mm
Shaft length	35 mm
Holding torque	4.5 N.m
Rotor inertia	1.6 kg.cm <sup>2</sup>
Resolution	200 steps number of full steps per revolution 1.8 ° step angle
[In] rated current	6.3 A
Resistance	0.35 Ohm (winding)

#### Environment

Ambient air temperature for operation	-25...40 °C
Ambient air temperature for storage	-25...70 °C
Operating altitude	<= 1000 m without power derating
Relative humidity	15...85 % without condensation
IP degree of protection	IP20 conforming to IEC/EN 60034-1
Temperature class	B winding conforming to IEC/EN 60034-1

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	9.400 cm
Package 1 Width	9.500 cm
Package 1 Length	11.200 cm
Package 1 Weight	2.170 kg
Unit Type of Package 2	P06
Number of Units in Package 2	24
Package 2 Height	73.000 cm
Package 2 Width	60.000 cm
Package 2 Length	80.000 cm
Package 2 Weight	67.000 kg

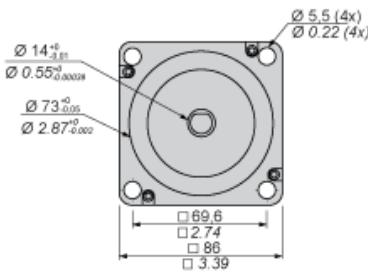
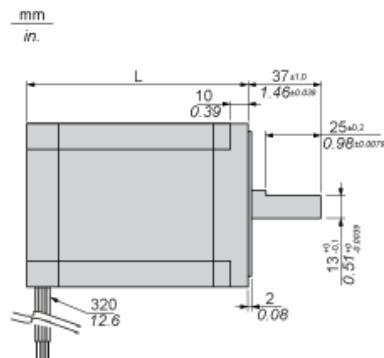
## Offer Sustainability

REACh Regulation	 <a href="#">REACh Declaration</a>
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
RoHS exemption information	 Yes
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
PVC free	Yes

## Contractual warranty

Warranty	18 months
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## Dimensions



Dimensions in mm

L
80

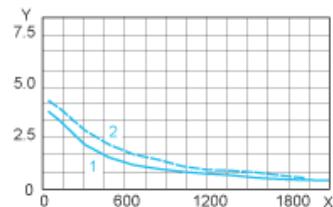
Dimensions in in.

L
3.15

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### Torque Characteristics

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X : Speed of rotation in rpm

Y : Torque in Nm

1 : 24 VDC

2 : 48 VDC