

Product datasheet

Specifications



MOTOR BMP1001R3NA2A WITH CABLE GLAND M20

BMP1001S0006

⚠ Discontinued on: 16 Mar 2021

⚠ Discontinued

Main

Product or component type	Synchronous motor
Device short name	BMP
Maximum mechanical speed	3600 rpm
Nominal output power	750 W with drive ATV32 at 0.75 kW 200 V single phase 750 W with drive ATV320 at 0.75 kW 200 V single phase
Nominal torque	2.39 N.m with drive ATV32 at 0.75 kW 200 V single phase 2.39 N.m with drive ATV320 at 0.75 kW 200 V single phase
Nominal speed	3000 rpm with drive ATV32 at 0.75 kW 200 V single phase 3000 rpm with drive ATV320 at 0.75 kW 200 V single phase
Product compatibility	Variable speed drive ATV32 at 0.75 kW 200 V single phase Variable speed drive ATV320 at 0.75 kW 200...240 V single phase
Shaft end	Keyed
IP degree of protection	IP65 standard IP67 with IP67 kit
Holding brake	Without
Mounting support	International standard flange
Electrical connection	Rotatable right-angled connector

Complementary

Range compatibility	Altivar 32 Altivar Machine ATV320
[Us] rated supply voltage	230 V
Network number of phases	Single phase
Maximum current Irms	7.2 A with drive ATV32 at 0.75 kW 200 V single phase 7.2 A with drive ATV320 at 0.75 kW 200 V single phase
Nominal operating frequency	250 Hz with drive ATV32 at 0.75 kW 200 V single phase 250 Hz with drive ATV320 at 0.75 kW 200 V single phase
Minimum operating frequency	25 Hz with drive ATV32 at 0.75 kW 200 V single phase 25 Hz with drive ATV320 at 0.75 kW 200 V single phase
Maximum operating frequency	300 Hz with drive ATV32 at 0.75 kW 200 V single phase 300 Hz with drive ATV320 at 0.75 kW 200 V single phase
Shaft diameter	19 mm
Shaft length	40 mm
Key width	6 mm
Motor flange size	100 mm

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Torque constant	0.884 N.m/A at 40 °C
Number of motor poles	5
Number of motor stacks	1
Rotor inertia	3.19 kg.cm²
Stator resistance	1.28 Ohm at 40 °C
Stator inductance	4.08 mH for q-axis winding at 40 °C 3.54 mH for d-axis winding at 40 °C
Maximum radial force Fr	900 N at 1000 rpm 720 N at 2000 rpm 630 N at 3000 rpm 570 N at 4000 rpm
Maximum axial force Fa	0.2 x Fr
Type of cooling	Natural convection
Length	128.6 mm
Centring collar diameter	95 mm
Centring collar depth	3.5 mm
Number of mounting holes	4
Mounting holes diameter	9 mm
Circle diameter of the mounting holes	115 mm
Net weight	3.34 kg

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	21 cm
Package 1 Width	18 cm
Package 1 Length	35.6 cm
Package 1 Weight	3.64 kg

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Better

Materials and Substances	
EU RoHS Directive	Compliant By Exemption
PVC free	Yes

Use Longer

Lifetime extension	
Repair	No

Use Again

Repack and remanufacture	
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins