

**B & R Automation - 8JS Synchronous Motors**

**8JSA33.R0045D100-0**



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The **8JSA33.R0045D100-0** is a part of the **8JS Synchronous Motors Series** by **B & R Automation**.

**Specifications**

|                                 |                              |                               |                      |                                |                 |
|---------------------------------|------------------------------|-------------------------------|----------------------|--------------------------------|-----------------|
| <b>Connection Direction:</b>    | Angled (swivel connector)    | <b>Cooling Method:</b>        | Self-cooling         | <b>Current Sense Resistor:</b> | Yes             |
| <b>Dimensions:</b>              | 71.1mm x 12.7mm              | <b>Encoder Accuracy:</b>      | 10 angular minutes   | <b>Encoder System:</b>         | Resolver        |
| <b>Flammability Rating:</b>     | UL 94 V-0                    | <b>Height:</b>                | 3.10mm               | <b>Holding Brake:</b>          | No              |
| <b>Inductance:</b>              | 2.5 nH (typical)             | <b>Insulation Resistance:</b> | >10 G? @ 500 VDC     | <b>Motor Length:</b>           | 3               |
| <b>Motor Size:</b>              | 3                            | <b>Mounting Style:</b>        | Flange mounting      | <b>Mounting Type:</b>          | Surface Mount   |
| <b>Nominal Speed:</b>           | 4500 RPM                     | <b>Oil Seal:</b>              | No                   | <b>Operating Temperature:</b>  | -65°C to +170°C |
| <b>Package / Case:</b>          | SMD, 4-Terminal              | <b>Power Derating:</b>        | 0.8 W/°C above 100°C | <b>Power Rating:</b>           | 10 W            |
| <b>Product Type:</b>            | 8JS Series Synchronous Motor | <b>Resistance:</b>            | 0.0045 Ohms          | <b>Shaft End:</b>              | Keyed shaft     |
| <b>Temperature Coefficient:</b> | ±50 ppm/°C                   | <b>Terminal Type:</b>         | 4-terminal (Kelvin)  | <b>Tolerance:</b>              | ±1%             |
| <b>Last Verified:</b>           | 05/30/2026 11:12 PM          |                               |                      |                                |                 |

**Contact Us**

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**Shipping Options**



**Payment Methods**

