

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

**8LSA44.DB045D300-3**

 **In-Stock, Ships 3-5 Days**



- Get a Quote in 5 minutes
- Parts ship in as little as 24 hours
- Up to half the cost of the manufacturer



Secure Online  
Checkout



Free Ground  
Shipping



One Year  
Warranty

The **8LSA44.DB045D300-3** is a part of the **8LS Synchronous Motors Series** by **B & R Automation**.

**Specifications**

|                               |                                       |                              |                                  |                               |                        |
|-------------------------------|---------------------------------------|------------------------------|----------------------------------|-------------------------------|------------------------|
| <b>Configuration Summary:</b> | 8LSA: Standard, no reinforced bearing | <b>Connection direction:</b> | Angled (swivel)                  | <b>Connection Hardware:</b>   | Connector              |
| <b>Cooling Principle:</b>     | Self-cooling, free circulation        | <b>Cooling Type:</b>         | Self-cooled (natural convection) | <b>Designation:</b>           | 8LSA                   |
| <b>Encoder Technology:</b>    | Inductive EnDat                       | <b>Encoder Type:</b>         | Absolute Encoder                 | <b>EnDat Version:</b>         | 2.2                    |
| <b>Flange Dimension:</b>      | 100 (mm)                              | <b>Flange Size:</b>          | 115 mm                           | <b>Holding Brake:</b>         | Standard holding brake |
| <b>Length Code:</b>           | 4                                     | <b>Motor Type:</b>           | Three-phase synchronous          | <b>Mounting Availability:</b> | Mounting flange        |
| <b>Oil Seal:</b>              | Not Present                           | <b>Peak Torque:</b>          | 38.5 Nm                          | <b>Product Revision:</b>      | 3                      |
| <b>Protection Class:</b>      | IP65                                  | <b>Rated Current:</b>        | 3.3 A                            | <b>Rated Power:</b>           | 3.5 kW                 |
| <b>Rated Speed:</b>           | 4500 (rpm)                            | <b>Rated Torque:</b>         | 11.2 Nm                          | <b>Rated Voltage:</b>         | 400 V                  |
| <b>Resolution:</b>            | 19/12 (Single/Multi-turn bits)        | <b>Shaft Diameter:</b>       | 24 mm                            | <b>Shaft End:</b>             | With key               |
| <b>Turn Capability:</b>       | Multi-turn (4096 revs)                | <b>Last Verified:</b>        | 05/18/2026 3:18 AM               |                               |                        |

**Contact Us**

 1620 Old Apex Road, Cary, NC 27513, USA

 Toll Free: [1-888-551-3082](tel:1-888-551-3082)

 International: [1-919-443-0207](tel:1-919-443-0207)

 Fax: [1-919-867-6204](tel:1-919-867-6204)

 Email: [sales@wakeindustrial.com](mailto:sales@wakeindustrial.com)

**Shipping Options**



**Payment Methods**



Automation Factory sells factory new and pre-owned surplus products and maintains channels to procure supply. Automation Factory is not affiliated with nor an authorized distributor or representative of any manufacturers, brands or products listed. Designated trademarks, brand names, and brands appearing herein are the property of their respective owners.