

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

**8LSA46.DB030S300-3**

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The **8LSA46.DB030S300-3** 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>	Single-cable solution (hybrid)	<b>Connection Hardware:</b>	Connector
<b>Cooling Principle:</b>	Self-cooling, free circulation	<b>Designation:</b>	8LSA	<b>Electrical time constant:</b>	9.1 ms
<b>Encoder Technology:</b>	Inductive EnDat	<b>EnDat Version:</b>	2.2	<b>Flange Dimension:</b>	100 (mm)
<b>Holding Brake:</b>	Standard holding brake	<b>Holding torque:</b>	8 Nm	<b>Length Code:</b>	6
<b>Maximum current:</b>	36.5 A	<b>Motor Type:</b>	Three-phase synchronous	<b>Mounting Availability:</b>	Mounting flange
<b>Nominal current:</b>	4.7 A	<b>Nominal speed:</b>	3000 rpm	<b>Nominal torque:</b>	7.7 Nm
<b>Oil Seal:</b>	Not Present	<b>Product Revision:</b>	3	<b>Protection rating:</b>	IP64
<b>Rated Speed:</b>	3000 (rpm)	<b>Resolution:</b>	19/12 (Single/Multi-turn bits)	<b>Shaft End:</b>	With key
<b>Stall current:</b>	6.1 A	<b>Stator inductance:</b>	17.4375 mH	<b>Stator resistance:</b>	1.92 ?
<b>Thermal time constant:</b>	40 min	<b>Torque constant:</b>	1.63 Nm/A	<b>Turn Capability:</b>	Multi-turn (4096 revs)
<b>Weight of motor without brake:</b>	7.3 kg	<b>Last Verified:</b>	05/18/2026 9:41 PM		

**Contact Us**

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**Shipping Options**



**Payment Methods**

