

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

**8LSA46.DB030S100-3**



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The **8LSA46.DB030S100-3** 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>Connection type:</b>	Single-cable solution	<b>Cooling Principle:</b>	Self-cooling, free circulation	<b>Cross section for B&amp;R motor cable:</b>	0.75 mm <sup>2</sup>
<b>Designation:</b>	8LSA	<b>Encoder Technology:</b>	Inductive EnDat	<b>Encoder type:</b>	DB 2.2 inductive 32-line multi-turn
<b>EnDat Version:</b>	2.2	<b>Flange Dimension:</b>	100 (mm)	<b>Holding Brake:</b>	Not Present
<b>Length Code:</b>	6	<b>Maximum speed:</b>	12000 rpm	<b>Moment of inertia of motor:</b>	4.387 kg·cm <sup>2</sup>
<b>Motor Type:</b>	Three-phase synchronous	<b>Mounting Availability:</b>	Mounting flange	<b>Nominal current:</b>	4.7 A
<b>Nominal power:</b>	2419 W	<b>Oil Seal:</b>	Not Present	<b>Product Revision:</b>	3
<b>Rated Speed:</b>	3000 (rpm)	<b>Resolution:</b>	19/12 (Single/Multi-turn bits)	<b>Shaft End:</b>	With key
<b>Stall torque:</b>	10 Nm	<b>Thermal time constant:</b>	40 min	<b>Torque constant:</b>	1.63 Nm/A
<b>Turn Capability:</b>	Multi-turn (4096 revs)	<b>Voltage constant:</b>	98.44 V/1000 rpm	<b>Weight of motor without brake:</b>	7.3 kg

**Contact Us**

**Last Verified:** 06/12/2026 5:54 AM  
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