

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

**8LSA55.DB030S200-3**

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The **8LSA55.DB030S200-3** 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>	11.1 ms
<b>Encoder Technology:</b>	Inductive EnDat	<b>EnDat Version:</b>	2.2	<b>Flange Dimension:</b>	142 (mm)
<b>Flange Type:</b>	Square flange	<b>Frame Size:</b>	55	<b>Holding Brake:</b>	Standard holding brake
<b>Length Code:</b>	5	<b>Max Speed:</b>	6000 rpm	<b>Motor Type:</b>	Three-phase synchronous
<b>Mounting Availability:</b>	Mounting flange	<b>Number of Pole Pairs:</b>	4 pole pairs	<b>Oil Seal:</b>	Not Present
<b>Product Revision:</b>	3	<b>Protection Class:</b>	IP65	<b>Rated Current:</b>	6.6 A
<b>Rated Power:</b>	3.0 kW	<b>Rated Speed:</b>	3000 (rpm)	<b>Rated Torque:</b>	7.6 Nm
<b>Rated Voltage:</b>	400 V	<b>Resolution:</b>	19/12 (Single/Multi-turn bits)	<b>Shaft End:</b>	Smooth shaft
<b>Stator Inductance:</b>	12.5 mH	<b>Stator Resistance:</b>	1.127 ? (phase-to-phase at 20 °C)	<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>Last Verified:</b>	05/19/2026 11:37 AM

**Contact Us**

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**Shipping Options**



**Payment Methods**

