

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

**8LSC74.EA045D011-3**



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The **8LSC74.EA045D011-3** is a part of the **8LS Synchronous Motors Series** by **B & R Automation**.

**Specifications**

<b>Configuration Summary:</b>	8LSC: Reinforced A-side bearing	<b>Connection direction:</b>	Angled (swivel)	<b>Connection Hardware:</b>	Connector
<b>Connection Type:</b>	Angular connectors	<b>Cooling Method:</b>	Self cooling (natural convection)	<b>Cooling Principle:</b>	Built-in fan assembly
<b>Degree Of Protection:</b>	IP65	<b>Designation:</b>	8LSC	<b>Electrical Time Constant:</b>	16.92 ms
<b>Encoder Technology:</b>	Inductive EnDat	<b>EnDat Version:</b>	2.1	<b>Feedback Type:</b>	Encoder, with multi-turn capability
<b>Flange Dimension:</b>	190 (mm)	<b>Holding Brake:</b>	Not Present	<b>Length Code:</b>	4
<b>Max Speed:</b>	Up to 6000 rpm (typical for this series, confirm with datasheet)	<b>Maximum Current:</b>	202 A	<b>Maximum Torque:</b>	150 Nm
<b>Moment Of Inertia:</b>	60 kgcm <sup>2</sup>	<b>Motor Flange Size:</b>	74 mm	<b>Motor Type:</b>	Three-phase synchronous
<b>Mounting Availability:</b>	Mounting flange	<b>Nominal Current:</b>	22.57 A	<b>Nominal Torque:</b>	24.6 Nm
<b>Number Of Pole Pairs:</b>	5	<b>Oil Seal:</b>	Not Present	<b>Output Shaft Design:</b>	Keyway
<b>Contact Us</b>	3	<b>Rated Speed:</b>	4500 (rpm)	<b>Shipping Options</b>	400 V AC (typical, check for confirmation)
<b>Product Revision:</b>	19/0 (Single/Multi-turn bits)	<b>Shaft End:</b>	Sm		
<b>Resolution:</b>	39.45 A	<b>Stall Torque:</b>	43		
<b>Stall Current:</b>	39.45 A	<b>Thermal Time Constant:</b>	41	<b>Payment Methods</b>	5 mm
<b>International:</b>	1-919-443-0207	<b>Voltage Constant:</b>	65. rpm		2.2 mI.
<b>Stator Resistance:</b>	Single-turn				1.09 Nm/A
<b>Fax:</b>	1-919-867-6254				<b>Weight Without</b>
<b>Turn Capability:</b>	05/18/2026				24 kg
<b>Last Verified:</b>	05/30/2026				
<b>Email:</b>	sales@wakeindustrial.com				

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