

B & R Automation - 8LS Synchronous Motors

8LSA54.R0045D000-0



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The **8LSA54.R0045D000-0** is a part of the **8LS Synchronous Motors Series** by **B & R Automation**.

Specifications

Configuration Summary:	8LSA: Standard, no reinforced bearing	Connection direction:	Angled (swivel)	Connection Hardware:	Connector
Connection Type: Designation:	MS-style connectors 8LSA	Cooling Method:	Natural convection	Cooling Principle:	Self-cooling, free circulation
Holding Brake:	Not Present	Encoder Technology:	Resolver	Flange Dimension:	142 (mm)
Motor Type:	Three-phase synchronous	Length Code:	4	Maximum Angular Acceleration (without brake):	50,000 rad/s ²
Peak Torque:	14.3 Nm	Mounting Availability:	Mounting flange	Oil Seal:	Not Present
Rated Power:	1.5 kW	Precision:	10 arcmin	Protection Class:	IP65
Rated Voltage:	400 V	Rated Speed:	4500 (rpm)	Rated Torque:	4.77 Nm
Stator Resistance (phase-to-phase at 20 °C):	1.6 ?	Rotor Moment of Inertia:	4 kg·cm ² (0.4 kg·m ²)	Shaft End:	Smooth shaft
Last Verified:	05/19/2026 3:09 AM	Voltage Constant (KE):	98 V/1000 rpm	Weight:	Approximately 9 kg

Contact Us

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Shipping Options



Payment Methods



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