

R88M-1M1K520T

Industrial automation components

Manufacturer	Omron
Catalog number	r88m-1m1k520t
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Display Name	R88M-1M1K520T
Description	1S AC servo motor, 1.5 kW, 230 VAC, 2000 rpm, 7.16 Nm, absolute encoder, no key
ETIM Class	EC001851
EAN	4549734164856.0
Group	MB
Fam	MBB
Country of Origin	PHL
Tariff Code	8501522089.0
OC Code	R8M11130D
Second Item Number	R88M1M1K520T
Category	Serwomotor - seria 1S
Stat Fam	4BAB
Stat Fam description	1S motors 2000 rpm
Publication sort	ZZZZ1

Description

The Omron R88M-1M1K520T is a 1S-series AC servo motor designed for high-performance applications requiring precise control and reliability. Operating at a rated output of 1.5 kW and a speed of 2000 rpm, it delivers a rated torque of 7.16 Nm, making it suitable for various industrial automation tasks. The motor utilizes an absolute encoder with a 23-bit resolution, ensuring accurate position feedback without the need for a battery backup. It operates on a 230 VAC single-phase supply voltage and features a straight shaft with key and tap, facilitating easy integration into existing systems. The motor is part of Omron's 1S-series, known for its EtherCAT communication compatibility, which allows for seamless integration into modern automation networks. This model does not include a brake or oil seal, offering a compact design ideal for applications where space is limited. The flange size is square (LC) at 130 mm, and the shaft diameter is 22 mm, aligning with standard mounting specifications. With a weight of approximately 8.5 kg, the R88M-1M1K520T combines performance and efficiency, making it a reliable choice for demanding industrial applications.