OMRON Industrial Automation



R88M-1M1K520C-BS2

1S AC servo motor, 1.5 kW, 400 VAC, 2000 rpm, 7.16 Nm, absolute encoder, with brake

Specifications

Servo control method	EtherCAT
Drive supply voltage	400 V three phase
Rated output	1.5 kW
Rated speed	2000 r/min
Rated torque	7.16 Nm
Peak torque	21.5 Nm
Encoder type	Absolute without battery
Encoder resolution	23 Bit
Motor with brake	✔
Motor with oil seal	✖
Flange size square (LC)	130 mm
Shaft diameter	22 mm
Shaft with key	✔
Shaft with tap	✔
Product Weight (unpacked)	10727 g

Fits to



R88D-1SN15F-ECT
1S servo drive, EtherCAT type, 1.5 kW, 3~ 400 VAC



R88D-1SN15F-ECT-51
1S-51 servo drive with STO, SS1 and SLS safety, EtherCAT type, 1.5 kW, 3~ 400 VAC

Accessories

	**R88A-CA1E003BF-E**	1S series servo motor power cable, 3 m, with brake, 400 V: 400 W to 3 kW
	**R88A-CA1E005BF-E**	1S series servo motor power cable, 5 m, with brake, 400 V: 400 W to 3 kW
	**R88A-CA1E010BF-E**	1S series servo motor power cable, 10 m, with brake, 400 V: 400 W to 3 kW
	**R88A-CA1E015BF-E**	1S series servo motor power cable, 15 m, with brake, 400 V: 400 W to 3 kW
	**R88A-CA1E020BF-E**	1S series servo motor power cable, 20 m, with brake, 400 V: 400 W to 3 kW
	**R88A-CR1B001-5NF-E**	1S series servo encoder cable, 1.5m, 230V: 900W-1.5kW, 400V: 400W-15kW
	**R88A-CR1B003NF-E**	1S series servo encoder cable, 3m, 230V: 900W-1.5kW, 400V: 400W-15kW

	**R88A-CR1B005NF-E**	1S series servo encoder cable, 5m, 230V: 900W-1.5kW, 400V: 400W-15kW
	**R88A-CR1B010NF-E**	1S series servo encoder cable, 10m, 230V: 900W-1.5kW, 400V: 400W-15kW
	**R88A-CR1B015NF-E**	1S series servo encoder cable, 15m, 230V: 900W-1.5kW, 400V: 400W-15kW
	**R88A-CR1B020NF-E**	1S series servo encoder cable, 20m, 230V: 900W-1.5kW, 400V: 400W-15kW
	**R88A-SC021S-E**	1S series cable clamp B. Used in 400 V drives and 230 V (from 1.5 kW to 3 kW)

Downloads

CAD file



1S Series

Users Manual

EN PDF 23 MB



1S Series - Expanded with high capacity range: 4 - 15 kW

Flyer

EN PDF 1.64 MB



1S Series Incremental Encoder Type Users Manual

Users Manual

EN PDF 6.34 MB



1S Series Multi-axis Setup and Tuning

Getting Started Guide

EN PDF 7.86 MB



1S Servo System

Brochure

EN PDF 25.5 MB



1S-series Servos for EN

Instruction Manual

EN PDF 3.3 MB



AC Servomotor_Servo Drives - Replace Guide

Replacement guide

EN PDF 4.74 MB



Motor Sizing Tool

Operation Manual

EN PDF 4.67 MB



Motor Sizing Tool V1.91.1.1

Configurator

EN ZIP 213 KB



R88M-1

Eu declaration of conformity

EN PDF 627 KB

R88M-1M1K520C-BS2

EDZ file

EN EDZ 470 KB



R88M-1_ 1S-series Servo Motor

Datasheet

EN PDF 1.57 MB



Redundancy and Motion Safety

Flyer

EN PDF 960 KB



Sysmac

Catalogue

EN PDF 43.5 MB



Sysmac: A Fully Integrated Platform

Brochure

EN PDF 11.8 MB



Using R88A-CA1G power cables

Technical Information

EN PDF 1.6 MB

Environmental product information

Part number	RoHS (EU)2015/863	REACH	SVHC contained
R88M-1M1K520C-BS2	✔	✔	Yes



Dispose in accordance with applicable regulations.

SVHC content information has been adapted as a result of the adoption at our company of chemSHERPA v.2, the Japanese standard for chemical information sharing and exchange throughout the supply chain.

We continuously make our best effort to communicate compliance information transparently to our customers, however some information may still be in the process to be collected or displayed. So don't hesitate to contact us in case a specific product or information you're looking for can't be found here.

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