OMRON Industrial Automation



R88M-C6L1K030C-OS2-GS

C6 AC servo motor, Low inertia, 1 kW, 400 VAC, 3000 rpm, 3.2 Nm, absolute encoder, with oil seal and key

Specifications

Servo control method	EtherCAT
Drive supply voltage	400 V three phase
Rated output	1 kW
Rated speed	3000 r/min
Rated torque	3.2 Nm
Peak torque	9.6 Nm
Encoder type	Absolute with battery
Encoder resolution	26 Bit
Motor with brake	✖
Motor with oil seal	✔
Flange size square (LC)	100 mm
Shaft diameter	22 mm
Shaft with key	✔
Shaft with tap	✔
Product Weight (unpacked)	3800 g

Fits to



R88D-C6N15F-ECT-GS
C6 AC servo drive, Standard model, EtherCAT Communications, 1.5 kW, 3-phase, 400 VAC

Accessories

R88A-CACC001-5SF-IE	C6 series servo motor power cable, 1.5 m, non braked, 230V: 850 W, 1 kW (100 & 130 mm flange) & 1.5 kW (2000rpm), 400V: 850 W to 2.5 kW
R88A-CACC003SF-IE	C6 series servo motor power cable, 3 m, non braked, 230V: 850 W, 1 kW (100 & 130 mm flange) & 1.5 kW (2000rpm), 400V: 850 W to 2.5 kW
R88A-CACC005SF-IE	C6 series servo motor power cable, 5 m, non braked, 230V: 850 W, 1 kW (100 & 130 mm flange) & 1.5 kW (2000rpm), 400V: 850 W to 2.5 kW
R88A-CACC010SF-IE	C6 series servo motor power cable, 10 m, non braked, 230V: 850 W, 1 kW (100 & 130 mm flange) & 1.5 kW (2000rpm), 400V: 850 W to 2.5 kW
R88A-CACC015SF-IE	C6 series servo motor power cable, 15 m, non braked, 230V: 850 W, 1 kW (100 & 130 mm flange) & 1.5 kW (2000rpm), 400V: 850 W to 2.5 kW
R88A-CACC020SF-IE	C6 series servo motor power cable, 20 m, non braked, 230V: 850 W, 1 kW (100 & 130 mm flange) & 1.5 kW (2000rpm), 400V: 850 W to 2.5 kW
R88A-CRCB001-5NF-BS-IE	C6 series servo encoder cable, with battery, 1.5 m, 230V: 850W to 1.5kW (100 & 130 mm flange), 400V: 850 W to 7.5 kW

R88A-CRCB001-5NF-IE	C6 series servo encoder cable, 1.5 m, 230V: 850W to 1.5kW (100 & 130 mm flange), 400V: 850 W to 7.5 kW
R88A-CRCB003NF-BS-IE	C6 series servo encoder cable, with battery, 3 m, 230V: 850W to 1.5kW (100 & 130 mm flange), 400V: 850 W to 7.5 kW
R88A-CRCB003NF-IE	C6 series servo encoder cable, 3 m, 230V: 850W to 1.5kW (100 & 130 mm flange), 400V: 850 W to 7.5 kW
R88A-CRCB005NF-BS-IE	C6 series servo encoder cable, with battery, 5 m, 230V: 850W to 1.5kW (100 & 130 mm flange), 400V: 850 W to 7.5 kW
R88A-CRCB005NF-IE	C6 series servo encoder cable, 5 m, 230V: 850W to 1.5kW (100 & 130 mm flange), 400V: 850 W to 7.5 kW
R88A-CRCB010NF-BS-IE	C6 series servo encoder cable, with battery, 10 m, 230V: 850W to 1.5kW (100 & 130 mm flange), 400V: 850 W to 7.5 kW
R88A-CRCB010NF-IE	C6 series servo encoder cable, 10 m, 230V: 850W to 1.5kW (100 & 130 mm flange), 400V: 850 W to 7.5 kW
R88A-CRCB015NF-BS-IE	C6 series servo encoder cable, with battery, 15 m, 230V: 850W to 1.5kW (100 & 130 mm flange), 400V: 850 W to 7.5 kW
R88A-CRCB015NF-IE	C6 series servo encoder cable, 15 m, 230V: 850W to 1.5kW (100 & 130 mm flange), 400V: 850 W to 7.5 kW
R88A-CRCB020NF-BS-IE	C6 series servo encoder cable, with battery, 20 m, 230V: 850W to 1.5kW (100 & 130 mm flange), 400V: 850 W to 7.5 kW
R88A-CRCB020NF-IE	C6 series servo encoder cable, 20 m, 230V: 850W to 1.5kW (100 & 130 mm flange), 400V: 850 W to 7.5 kW

Downloads

CAD file



C6 Series
Brochure

EN PDF 3.44 MB



C6 Series
Users Manual

EN PDF 41.9 MB



C6 Series Servo System
Datasheet

EN PDF 7 MB



Motor Sizing Tool
Operation Manual

EN PDF 4.67 MB



Motor Sizing Tool V1.91.1.1
Configurator

EN ZIP 213 MB



R88M-C6-GS
Eu declaration of conformity

EN PDF 292 KB

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