



NJ501-R320

Robotic Integrated Controller NJ5: 8 robots and 16 servo axes, SQL client

Specifications

Controller functionality	DB connection, Motion control, Robotics, Sequence control
Max. number of robots	8
Max. number of synchronous axes	16
Max. number of axes (incl. virtual)	16
Primary task cycle time	0.5 ms
Program memory	20 MB
Variables memory	6 MB
Communication port(s)	EtherCAT Master, EtherNet/IP, USB
Communication option(s)	CAN, CompoNet Master, DeviceNet Master, DeviceNet Slave, EtherCAT Slave, MODBUS Master, MODBUS Slave, PROFIBUS DP Master, PROFIBUS DP Slave, PROFINET Master, Serial RS-232C, Serial RS-422, Serial RS-485
Max. number of remote I/O nodes	192
I/O system	CJ I/O Bus
Max. number of expansion units	40
Height	90 mm
Width	90 mm
Depth	90 mm
Product Weight (unpacked)	0 g

Fits to



RL4-1166000

eCobra 600 Standard, 5.5 kg payload, 600 mm reach, 4 axis, 210 mm Zaxis, IP20, EtherCAT



RL4-1166010

eCobra 600 Standard, 5.5 kg payload, 600 mm reach, 4 axis, 210 mm Zaxis, IP20, Cleanroom, EtherCAT



RL4-1168000

eCobra 800 Standard, 5.5 kg payload, 600 mm reach, 4 axis, 210 mm Zaxis, IP20, EtherCAT



RL4-1168010

eCobra 800 Standard, 5.5 kg payload, 600 mm reach, 4 axis, 210 mm Zaxis, IP20, Cleanroom, EtherCAT



RL4-1168030

eCobra 800 Standard, 5.5 kg payload, 600 mm reach, 4 axis, 210 mm Zaxis, IP65, EtherCAT



RL4-2166000

eCobra 600 Pro, 5.5 kg payload, 600 mm reach, 4 axis, 210 mm Zaxis, IP20, EtherCAT



RL4-2166010

eCobra 600 Pro, 5.5 kg payload, 600 mm reach, 4 axis, 210 mm Zaxis, IP20, Cleanroom, EtherCAT



RL4-2168000

eCobra 800 Pro, 5.5 kg payload, 600 mm reach, 4 axis, 210 mm Zaxis, IP20, EtherCAT



RL4-2168010

eCobra 800 Pro, 5.5 kg payload, 600 mm reach, 4 axis, 210 mm Zaxis, IP20, Cleanroom, EtherCAT



RL4-2168030

eCobra 800 Pro, 5.5 kg payload, 600 mm reach, 4 axis, 210 mm Zaxis, IP65, EtherCAT



RL6-2066000

Viper 650, 5 kg payload, 653 mm reach, 6 axis, IP40, EtherCAT



RL6-2066010

Viper 650, 5 kg payload, 653 mm reach, 6 axis, IP65, EtherCAT



RL6-2066020

Viper 650, 5 kg payload, 653 mm reach, 6 axis, Cleanroom, EtherCAT



RL6-2068000

Viper 850, 5 kg payload, 855 mm reach, 6 axis, IP40, EtherCAT



RL6-2068010

Viper 850, 5 kg payload, 855 mm reach, 6 axis, IP65, EtherCAT



RL6-2068020

Viper 850, 5 kg payload, 855 mm reach, 6 axis, Cleanroom, EtherCAT



RX3-2065600

iX3-565, 8 kg payload, 565 mm reach, 0° rotation, 3 axis, 425 mm Zaxis, IP20, iCS-ECAT



RX3-2065604

iX3-565, 3 kg payload, 565 mm reach, 360° rotation, 4 axis, 425 mm Zaxis, IP20, iCS-ECAT



RX3-2065610

iX3-565, 8 kg payload, 565 mm reach, 0° rotation, 3 axis, 425 mm Zaxis, IP65, iCS-ECAT



RX3-2065614

iX3-565, 3 kg payload, 565 mm reach, 360° rotation, 4 axis, 425 mm Zaxis, IP65, iCS-ECAT



RX4-2166001

iX4-650H, 6 kg payload, 1300 mm diameter reach, P31, 46.25° rotation, 4 axis, 500 mm Zaxis, IP20 Base, IP67 Tooling, iCS-ECAT



RX4-2166002

iX4-650H, 6 kg payload, 1300 mm diameter reach, P32, 92.5° rotation, 4 axis, 500 mm Zaxis, IP20 Base, IP67 Tooling, iCS-ECAT



RX4-2166004

iX4-650H, 6 kg payload, 1300 mm diameter reach, P34, 185° rotation, 4 axis, 500 mm Zaxis, IP20 Base, IP67 Tooling, iCS-ECAT



RX4-2166010

iX4-650HS, 8 kg payload, 1300 mm diameter reach, P30, 0° rotation, 4 axis, 500 mm Zaxis, IP67 Base, IP67 Tooling, USDA, iCS-ECAT



RX4-2166011

iX4-650HS, 3 kg payload, 1300 mm diameter reach, P31, 46.25° rotation, 4 axis, 500 mm Zaxis, IP67 Base, IP67 Tooling, USDA, iCS-ECAT



RX4-2166012

iX4-650HS, 3 kg payload, 1300 mm diameter reach, P32, 92.5° rotation, 4 axis, 500 mm Zaxis, IP67 Base, IP67 Tooling, USDA, iCS-ECAT



RX4-2166014

iX4-650HS, 3 kg payload, 1300 mm diameter reach, P34, 185° rotation, 4 axis, 500 mm Zaxis, IP67 Base, IP67 Tooling, USDA, iCS-ECAT



RX4-2166020

iX4-650H, 15 kg payload, 1300 mm diameter reach, P30, 0° rotation, 4 axis, 500 mm Zaxis, IP65 Base, IP67 Tooling, iCS-ECAT



RX4-2166021

iX4-650H, 6 kg payload, 1300 mm diameter reach, P31, 46.25° rotation, 4 axis, 500 mm Zaxis, IP65 Base, IP67 Tooling, iCS-ECAT



RX4-2166022

iX4-650H, 6 kg payload, 1300 mm diameter reach, P32, 92.5° rotation, 4 axis, 500 mm Zaxis, IP65 Base, IP67 Tooling, iCS-ECAT



RX4-2166024

iX4-650H, 6 kg payload, 1300 mm diameter reach, P34, 185° rotation, 4 axis, 500 mm Zaxis, IP65 Base, IP67 Tooling, iCS-ECAT



RX4-2166300

iX4-800H, 10 kg payload, 1600 mm diameter reach, P30, 0° rotation, 4 axis, 500 mm Zaxis, IP20 Base, IP67 Tooling, iCS-ECAT

**RX4-2166301**

iX4-800H, 4 kg payload,
1600 mm diameter reach,
P31, 46.25° rotation, 4 axis,
500 mm Zaxis, IP20 Base,
IP67 Tooling, iCS-ECAT

**RX4-2166302**

iX4-800H, 4 kg payload,
1600 mm diameter reach,
P32, 92.5° rotation, 4 axis,
500 mm Zaxis, IP20 Base,
IP67 Tooling, iCS-ECAT

**RX4-2166304**

iX4-800H, 4 kg payload,
1600 mm diameter reach,
P34, 185° rotation, 4 axis,
500 mm Zaxis, IP20 Base,
IP67 Tooling, iCS-ECAT

**RX4-2166310**

iX4-800HS, 7 kg payload,
1600 mm diameter reach,
P30, 0° rotation, 4 axis, 500
mm Zaxis, IP67 Base, IP67
Tooling, USDA, iCS-ECAT

**RX4-2166311**

iX4-800HS, 1 kg payload,
1600 mm diameter reach,
P31, 46.25° rotation, 4 axis,
500 mm Zaxis, IP67 Base,
IP67 Tooling, USDA, iCS-
ECAT

**RX4-2166312**

iX4-800HS, 1 kg payload,
1600 mm diameter reach,
P32, 92.5° rotation, 4 axis,
500 mm Zaxis, IP67 Base,
IP67 Tooling, USDA, iCS-
ECAT

**RX4-2166314**

iX4-800HS, 1 kg payload,
1600 mm diameter reach,
P34, 185° rotation, 4 axis,
500 mm Zaxis, IP67 Base,
IP67 Tooling, USDA, iCS-
ECAT

**RX4-2166320**

iX4-800H, 10 kg payload,
1600 mm diameter reach,
P30, 0° rotation, 4 axis, 500
mm Zaxis, IP65 Base, IP67
Tooling, iCS-ECAT

**RX4-2166321**

iX4-800H, 4 kg payload,
1600 mm diameter reach,
P31, 46.25° rotation, 4 axis,
500 mm Zaxis, IP65 Base,
IP67 Tooling, iCS-ECAT

**RX4-2166322**

iX4-800H, 4 kg payload,
1600 mm diameter reach,
P32, 92.5° rotation, 4 axis,
500 mm Zaxis, IP65 Base,
IP67 Tooling, iCS-ECAT

**RX4-2166324**

iX4-800H, 4 kg payload,
1600 mm diameter reach,
P34, 185° rotation, 4 axis,
500 mm Zaxis, IP65 Base,
IP67 Tooling, iCS-ECAT

Accessories



GX-JC03

3-port EtherCAT Junction module, 24 VDC power supply



GX-JC06

6-port EtherCAT Junction module, 24 VDC power supply

GX-JC06-H

6-port EtherCAT Junction module, 24 VDC power supply, with node switches



NJ-PA3001

Sysmac NJ power supply unit, 100-240 VAC, 30 W, "RUN" output relay



NJ-PD3001

Sysmac NJ power supply unit, 24 VDC, 30 W, "RUN" output relay



W4S1-05D

5-port enhanced Ethernet switch

Downloads

CAD Library



FDK CR14250SE
Battery Safety Datasheet

EN PDF 147 KB



Industrial Robots
Datasheet

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[EtherCAT]- ORIENTAL
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