

Product Discontinuation Notices

Programmable Controllers

Issue Date
March 4, 2013

No. 2013019CE

Discontinuation Notice of CSYSMAC CS-Series MECHATROLINK-II compatible Motion Control unit CS1W-MCH71.

Product Discontinuation

CSYSMAC CS-Series MECHATROLINK-II compatible Motion Control unit



Model CS1W-MCH71



Recommended Replacement

NJ Series
NJ501 CPU units

Model NJ501-1400

[Discontinuation date]

The end of March, 2014

[Caution on recommended replacement]

Color of recommended replacement is different.

Dimension is different.

Wiring connections are different. (Need to change from MECHATROLINK-II to EtherCAT)

There are some restrictions on functionality.

[Difference from discontinued product]

Recommended replacement Model	Body Color	Dimensions	Wire connection	Mounting Dimensions	Characteristics	Operation ratings	Operation methods
NJ501-1400	--	--	--	--	*	*	--

** : Compatible

* : The change is a little/Almost compatible



-- : Not compatible

- : No corresponding specification

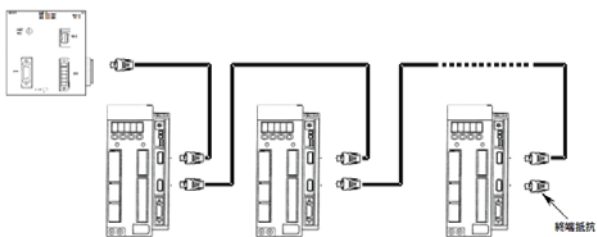
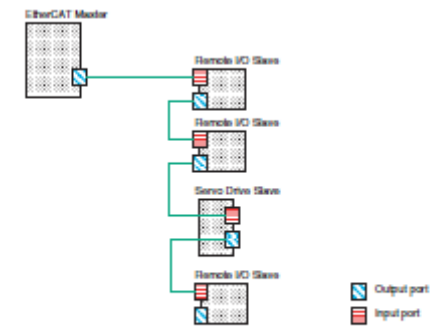
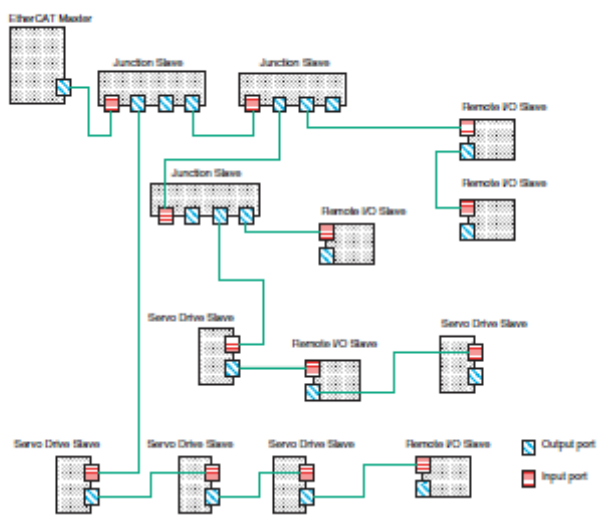
[Product Discontinuation and recommended replacement]

Product discontinuation	Recommended replacement
CS1W-MCH71	NJ501-1400

[Body color]

<p>Product discontinuation Model CS1W-MCH71</p>	<p>Recommendable replacement Model NJ501-1400</p>
<p>Ivory</p> 	<p>Black</p> 

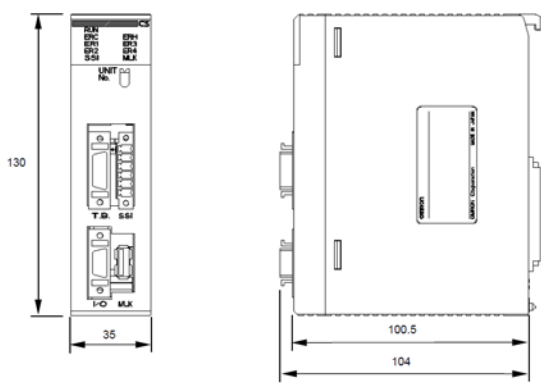
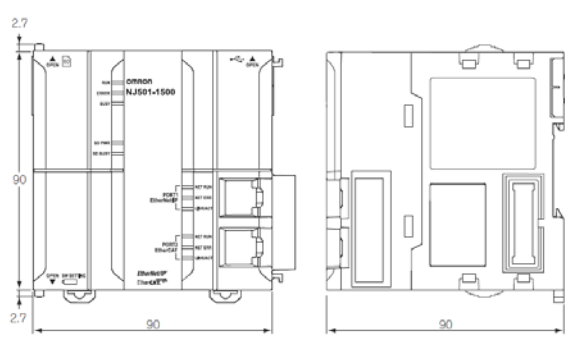
[Wire connection]

<p>Product discontinuation Model CS1W-MCH71</p>	<p>Recommendable replacement Model NJ501-1400</p>
<p>TMECHATROLINK-II compatible</p> 	<p>EtherCAT on NJ501</p> <p>• No Branching</p>  <p>• Branching</p> 

[Mounting dimensions]

Product discontinuation Model CS1W-MCH71	Recommendable replacement Model NJ501-1400
Same with CS1 series	DIN rail

[Dimensions]

Product discontinuation Model CS1W-MCH71	Recommendable replacement Model NJ501-1400
 <p>Technical drawing showing front and side views of Model CS1W-MCH71. Front view shows a height of 130 mm and a width of 35 mm. Side view shows a depth of 100.5 mm and a total width of 104 mm.</p>	 <p>Technical drawing showing front and side views of Model NJ501-1400. Front view shows a height of 90 mm and a width of 90 mm. Side view shows a height of 90 mm and a width of 90 mm.</p>

[Characteristics]

Item	Product discontinuation Model CS1W-MCH71	Recommendable replacement Model NJ501-1400
Power Supply Voltage	<ul style="list-style-type: none"> • 5 VDC (from Backplane) • 24 VDC (from external power supply) 	<ul style="list-style-type: none"> • 100 to 240 VAC (external power supply) • 24 VDC (external power supply)
Voltage fluctuation tolerance	<ul style="list-style-type: none"> • 4.75 to 5.25 VDC (from Backplane) • 21.6 to 26.4VDC (from external power supply) 	<ul style="list-style-type: none"> • 85 to 264 VAC (AC power supply type) • 19.2 to 28.8 VDC (DC power supply type)
Internal current consumption	5 VDC 0.8 A max.	5 VDC 1.90 A max.
Weight (Connectors excluded)	300 g max.	550 g max. (End cover included)
Safety standards	UL, CSA, C-TICK, EC compliant	cULus, EC compliant, NK, LR
Attitude	At 2,000 m elevation or lower	At 2,000 m elevation or lower
Controlled Devices	MECHATROLINK II below supported <ul style="list-style-type: none"> • SMARTSTEP Junior servo drive • Various I/O unit (Yasukawa) 	EtherCAT below supported <ul style="list-style-type: none"> • G5 series servo drive • EtherCAT slaves
Program language	Dedicated motion control language	LD, ST
Control method	Position control, Speed control, Torque control	Position control, Speed control, Torque control
Baud rate	10 Mbps	100 Mbps
Number of controlled axes	32 axes max. Physical axes, Virtual axes:30 axes max. Dedicated for virtual axes: 2 axes	64 axes/32 axes/16 axes Physical axes, Virtual axes, encoder axes, Virtual encoder axes
Control period	1, 2, 3, 4, 6, 8 ms	Primary task: 500µs/1000µs/2000µs/4000µs
Minimum setting unit	mm, inch, deg, pulse	Pulse, mm, µm, nm, degree, inch

Item	Product discontinuation Model CS1W-MCH71	Recommendable replacement Model NJ501-1400
Linear interpolation	○ (8 axes max.)	○ (4 axes max./axes group)
Circular interpolation	○ (2 axes max.)	○ (2 axes max./axes group)
Time specified positioning	○	×
Target position change function	○	○
Interrupt feeding	○	○
Electronic Shaft	○	○
Travel distance super impose	○	○
Traverse function	○	×
Latch function	○	○
Link operation	○	○
Trailing synchronous operation	○	○
Speed command	○	○
Torque command	○	○
Override	○	○
Acceleration/deceleration curve	Trapezoidal or S-shape	Trapezoidal or S-shape
Origin search	○	○
Backlash compensation	○	○
Teaching	○	×
Arithmetic operation	○	○

Specifications and prices in this product news are as of the issue date and are subject to change without notice. Only main changes in specifications are described in this document. Please be sure to read the relevant catalogs, datasheets, product specifications, instructions, and manuals for precautions and necessary information when using products.