

End of production product

Network Devices
(Bit Slave)

CRT1B-□D02JS(-1)

CRT1B-□D04JS(-1)

CRT1B-□D02S(-1)



Replacement products

Network Devices
(Digital I/O Slave)

CRT1-□D08(-1)/ □D16(-1)

CRT1-MD16S(-1)

■ Final order entry date

End of May 2026

■ Last shipments date

End of November 2026

■ End of repair support date

End of May 2033

■ Precautions when using recommended alternative products

The recommended replacement for the CRT1B-ID/OD/MD series (CompoNet bit slave) is the CRT1-ID08/OD08/MD16 series.(CompoNet Digital I/O Slave).

■ Differences from discontinued production products

Recommended replacement product type	Body color	External dimensions	Wiring Connection	Installation dimensions	Rated Performance	Operating characteristics	How to use
CRT1-□D08(-1)/ □D16(-1)	×	×	×	×	×	×	×
CRT1-MD16S(-1)	×	×	×	×	×	×	×

◎ : Compatible

○ : Almost no changes/highly similar changes

×

— : No applicable specifications

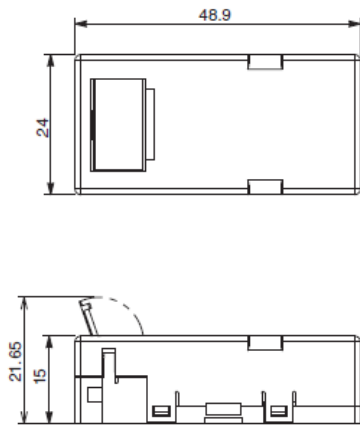
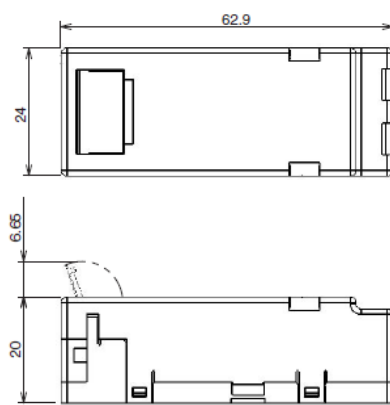
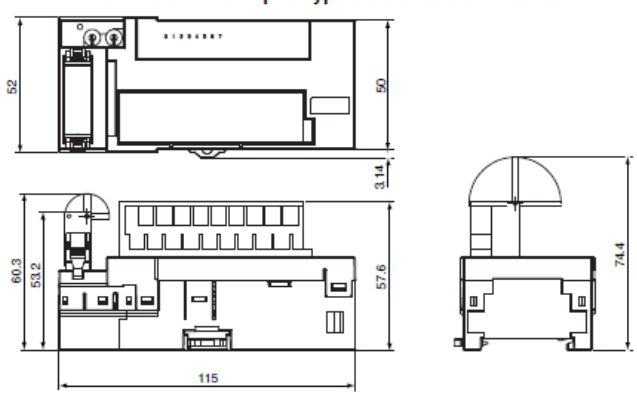
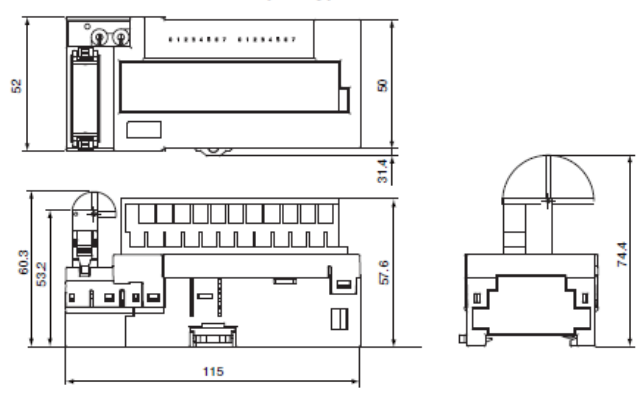
■ End of production products and recommended alternative products
Bit slave, small connector type

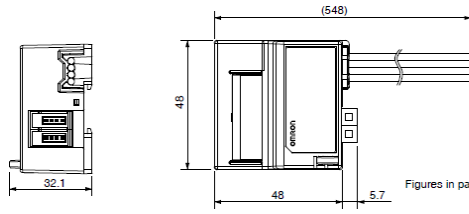
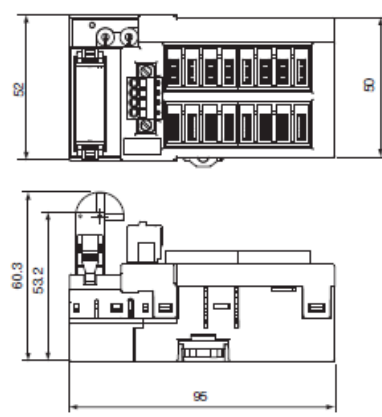
End of production product	Replacement products
CRT1B-ID02JS	CRT1-ID08
CRT1B-ID02JS-1	CRT1-ID08-1
CRT1B-OD02JS	CRT1-OD08
CRT1B-OD02JS-1	CRT1-OD08-1
CRT1B-MD02JS	CRT1-MD16
CRT1B-MD02JS-1	CRT1-MD16-1
CRT1B-ID04JS	CRT1-ID08
CRT1B-ID04JS-1	CRT1-ID08-1
CRT1B-OD04JS	CRT1-OD08
CRT1B-OD04JS-1	CRT1-OD08-1
CRT1B-MD04JS	CRT1-MD16
CRT1B-MD04JS-1	CRT1-MD16-1

■ End of production products and recommended alternative products
Bit slave e-CON connector type

End of production product	Replacement products
CRT1B-ID02S	CRT1-MD16S
CRT1B-ID02S-1	CRT1-MD16S-1
CRT1B-OD02S	CRT1-MD16S
CRT1B-OD02S-1	CRT1-MD16S-1

■ External dimensions

<p>End of production product CRT1B (Bit Slave) Connector CRT1B-□D02JS(-1) CRT1B-□D04JS(-1)</p>	<p>Replacement products CRT1 (Digital I/O Slave) CRT1-□D08(-1)/ □D16(-1)</p>
<p>●2-points Inputs, 2-points Outputs, 1-point Input/1-point Output type CRT1B-ID02JS CRT1B-ID02JS-1 CRT1B-OD02JS CRT1B-OD02JS-1 CRT1B-MD02JS CRT1B-MD02JS-1</p>  <p>●4-points Inputs, 4-points Outputs, 2-points Inputs/2-points Outputs type CRT1B-ID04JS CRT1B-ID04JS-1 CRT1B-OD04JS CRT1B-OD04JS-1 CRT1B-MD04JS CRT1B-MD04JS-1</p> 	<p>CRT1-ID08 (-1) CRT1-OD08 (-1)</p> <p>When a DCN4-TB4 Open Type Connectors Is Mounted</p>  <p>CRT1-MD16 (-1)</p> <p>When a DCN4-TB4 Open Type Connectors Is Mounted</p> 

<p>End of production product CRT1B (Bit Slave) e-CON CRT1B-□D02S(-1)</p>	<p>Replacement products CRT1 (Digital I/O Slave) e-CON CRT1-MD16S(-1)</p>
<p>形CRT1B-ID02S 形CRT1B-ID02S-1 形CRT1B-OD02S 形CRT1B-OD02S-1</p>  <p>Figures in parentheses are reference dimensions.</p>	<p>形CRT1-MD16S (-1)</p> <p>When a DCN4-TB4 Open Type Connectors Is Mounted</p> 

■ Ratings/Performance

item	End of production product CRT1B (Bit Slave) Connector 2-point/4-point input unit CRT1B-ID02JS, CRT1B-ID02JS-1 CRT1B-ID04JS, CRT1B-ID04JS-1	Replacement products CRT1-ID08 8-point input unit CRT1-ID08, CRT1-ID08-1
Input/Output Points	2-point/4-point input	8 inputs
Internal I/O common line processing	NPN/PNP compatible	NPN/PNP compatible
ON voltage	DC10.5V or more (Between each input terminal and V, between each input terminal and G)	DC15V or more (Between each input terminal and V, between each input terminal and G)
OFF voltage	–	DC5V or less (Between each input terminal and V, between each input terminal and G)
Input Current	3.0mA or more/point (at DC10.5V)	6.0mA/point or less (at DC24 hours) 3.0mA or more/point (at DC17V)
ON Delay Time	1.5 ms or less	1.5 ms or less
OFF Delay Time	1.5 ms or less	1.5 ms or less
Number of circuits per common	2 points, 4 points/common	8 points/common
Insulation method	Non-insulated	Coupler insulation
Input display	LED display (yellow)	LED display (yellow)
Power Supply Type	Network power supply type	Multi-power supply type
mass	Under 16g	Under 160g

item	End of production product CRT1B (Bit Slave) Connector 2-point and 4-point output units CRT1B-OD02JS, CRT1B-OD02JS-1 CRT1B-OD04JS, CRT1B-OD04JS-1	Replacement products CRT1-OD08 8-point output unit CRT1-OD08, CRT1-OD08-1
Input/Output Points	2-point/4-point output	8 outputs
Internal I/O common line processing	NPN/PNP compatible	NPN/PNP compatible
Rated Output Current	0.1A/point	0.5A/point, 2A/common
Residual voltage	1.2V or less (DC 0.1A, between each output terminal and G/V)	1.2V or less (DC 0.5A, between each output terminal and G/V)
Leakage current	0.1mA or less	0.1mA or less
ON Delay Time	0.5 ms or less	0.5 ms or less
OFF Delay Time	1.5 ms or less	1.5 ms or less
Number of circuits per common	2 points, 4 points/common	8 points/common
Insulation method	Non-insulated	Coupler insulation
Input display	LED display (yellow)	LED display (yellow)
Power Supply Type	Network power supply type	Multi-power supply type
mass	Under 16g	Under 160g

item	End of production product CRT1B (Bit Slave) Connector 1-point input/1-point output unit CRT1B-MD02JS, CRT1B-MD02JS-1	Replacement products CRT1-MD16 8-point input/8-point output unit CRT1-MD16, CRT1-MD16-1
Input/Output Points	1 input, 1 output	8 inputs, 8 outputs
Internal I/O common line processing	NPN/PNP compatible	NPN/PNP compatible
ON voltage	DC10.5V or more (Between each input terminal and V/G)	DC15V or more (Between each input terminal and V/G)
OFF voltage	–	DC5V or less (Between each input terminal and V/G)
Rated Output Current	0.1A/point	0.5A/point, 2A/common
Residual voltage	1.2V or less (DC 0.1A, between each output terminal and G/V)	1.2V or less (DC 0.5A, between each output terminal and G/V)
Leakage current	0.1mA or less	0.1mA or less
ON Delay Time	0.5 ms or less	0.5 ms or less
OFF Delay Time	1.5 ms or less	1.5 ms or less
Number of circuits per common	1 point/common	8 points/common
Insulation method	Non-insulated	Coupler insulation
Input display	LED display (yellow)	LED display (yellow)
Power Supply Type	Network power supply type	Multi-power supply type
mass	Under 16g	Under 160g

item	End of production product CRT1B (Bit Slave) Connector 2-point input/2-point output unit CRT1B-MD04JS, CRT1B-MD04JS-1	Replacement products CRT1-MD16 8-point input/8-point output unit CRT1-MD16, CRT1-MD16-1
Input/Output Points	2 inputs, 2 outputs	8 inputs, 8 outputs
Internal I/O common line processing	NPN/PNP compatible	NPN/PNP compatible
ON voltage	DC10.5V or more (Between each input terminal and V/G)	DC15V or more (Between each input terminal and V/G)
OFF voltage	–	DC5V or less (Between each input terminal and V/G)
Rated Output Current	0.1A/point	0.5A/point, 2A/common
Residual voltage	1.2V or less (DC 0.1A, between each output terminal and G/V)	1.2V or less (DC 0.5A, between each output terminal and G/V)
Leakage current	0.1mA or less	0.1mA or less
ON Delay Time	0.5 ms or less	0.5 ms or less
OFF Delay Time	1.5 ms or less	1.5 ms or less
Number of circuits per common	2 points/common	8 points/common
Insulation method	Non-insulated	Coupler insulation
Input display	LED display (yellow)	LED display (yellow)
Power Supply Type	Network power supply type	Multi-power supply type
mass	Under 21g	Under 160g

item	End of production product CRT1B (Bit Slave) e-CON 2-point input/2-point output unit CRT1B-ID02S, CRT1B-ID02S-1 CRT1B-OD02S, CRT1B-OD02S-1	Replacement products CRT1 (Digital I/O Slave) e-CON 8-point input/8-point output unit CRT1-MD16S, CRT1-MD16S-1
Input/Output Points	2 inputs, 2 outputs	8 inputs, 8 outputs
Internal I/O common line processing	NPN/PNP compatible	NPN/PNP compatible
ON voltage	DC10.5V or more (Between each input terminal and V/G)	DC10.5V or more (Between each input terminal and V/G)
OFF voltage	DC5V or less (Between each input terminal and V/G)	DC5V or less (Between each input terminal and V/G)
Rated Output Current	0.2A/point	0.5A/point, 2A/common
Residual voltage	1.2V or less (DC 0.2A, between each output terminal and BS-)	1.2V or less (DC 0.5A, between each output terminal and G/V)
Leakage current	0.1mA or less	0.1mA or less
ON Delay Time	0.5 ms or less	0.5 ms or less
OFF Delay Time	1.5 ms or less	1.5 ms or less
Number of circuits per common	2 points/common	8 points/common
Insulation method	Non-insulated	Coupler insulation
Input display	LED display (yellow)	LED display (yellow)
Power Supply Type	Network power supply type	Multi-power supply type
mass	70g, 59g or less	Under 160g

The specifications stated in this guide are accurate at the time of publication. Please note that this information may change without notice.
This guide mainly describes the changes in specifications. For important contents such as precautions for use, please be sure to read the catalogs, specifications, instruction manuals, etc.