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1 PRECAUTIONS FOR REPLACEMENT

- Before replacing the remote I/O module, check the functions, specifications, grounding method, and usage in the manuals for each module used.

 CC-Link IE Field Network Remote I/O Module User's Manual (SH-081114ENG)

 CC-Link IE Field Network Waterproof/Dustproof Remote I/O Module User's Manual (SH-081637ENG)

 CC-Link IE TSN Remote I/O Module User's Manual (CC-Link IE Field Network Communication Mode) (SH-082240ENG)

- After replacing the remote I/O module, perform an operation check for the entire system before operation.

Point

Before replacement, confirm that the FG of the programmable controller system is grounded properly.

To ensure noise immunity, programmable controllers release noise to the ground through FGs.

Improper grounding of the FG alters system configuration, possibly causing the controller to be affected by noise. When it is difficult to check the grounding status, perform any of the following provisional measures.

- Perform independent grounding of the programmable controller system.
 - Install ferrite cores on the ground cable and between module FG terminals.
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Restriction

When replacing a CC-Link IE Field Network remote I/O module with a CC-Link IE TSN remote I/O module using the CC-Link IE Field Network remote I/O module compatibility function, the products with versions listed below are applicable. In addition, the profile with the latest version should be used.

- CC-Link IE TSN remote I/O module: Firmware version "10" or later^{*1}
 - GX Works2: 1.115V or later^{*2}
 - GX Works3: 1.630G or later^{*2}
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*1 The upper 2 digits of production information represents the firmware version at shipment.

These models support the firmware updates. For details, refer to the manual of each model.

*2 Diagnosing the replaced remote I/O module requires a specific version of software.

2 ALTERNATIVE MODELS

2.1 Lists of Alternative Models

The following tables list the alternative models that support the CC-Link IE Field Network remote I/O module compatibility function.

Main module

■ Main input module

Module		Number of points	Before replacement	After replacement
			CC-Link IE Field Network remote I/O module	CC-Link IE TSN remote I/O module
DC input module	Spring clamp terminal block type	16	NZ2GF2S1-16D	NZ2GN2S1-16D
		32	NZ2GF2B1-32D	NZ2GN2B1-32D
	Screw terminal block type	16	NZ2GF2B1N1-16D	NZ2GN2B1-16D
		32	NZ2GFCE3N-32D	NZ2GNCE3-32D
	Sensor connector (e-CON) type	32	NZ2GFCE3N-32D	NZ2GNCE3-32D
	40-pin connector type (FCN)	32	NZ2GFCE3N-32D	NZ2GNCE3-32D
Waterproof/Dustproof type	16	NZ2GF12A4-16D	NZ2GN12A4-16D	
	16	NZ2GF12A4-16DE	NZ2GN12A4-16DE	

■ Main output module

Module		Number of points	Before replacement	After replacement
			CC-Link IE Field Network remote I/O module	CC-Link IE TSN remote I/O module
DC output module	Spring clamp terminal block type	16	NZ2GF2S1-16T	NZ2GN2S1-16T
		16	NZ2GF2S1-16TE	NZ2GN2S1-16TE
	Screw terminal block type	32	NZ2GF2B1-32T	NZ2GN2B1-32T
		32	NZ2GF2B1-32TE	NZ2GN2B1-32TE
		16	NZ2GF2B1N1-16T	NZ2GN2B1-16T
		16	NZ2GF2B1N1-16TE	NZ2GN2B1-16TE
	40-pin connector type (FCN)	32	NZ2GFCE3N-32T	NZ2GNCE3-32T
	Waterproof/Dustproof type	16	NZ2GF12A2-16T	NZ2GN12A2-16T
16		NZ2GF12A2-16TE	NZ2GN12A2-16TE	

■ Main I/O combined module

Module		Number of points	Before replacement	After replacement
			CC-Link IE Field Network remote I/O module	CC-Link IE TSN remote I/O module
DC I/O module	Screw terminal block type	32	NZ2GF2B1-32DT	NZ2GN2B1-32DT
		32	NZ2GF2B1-32DTE	NZ2GN2B1-32DTE
	Sensor connector (e-CON) type	32	NZ2GFCE3N-32DT	NZ2GNCE3-32DT
	Waterproof/Dustproof type	16	NZ2GF12A42-16DT	NZ2GN12A42-16DT
		16	NZ2GF12A42-16DTE	NZ2GN12A42-16DTE

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Extension module

By using the CC-Link IE Field Network remote I/O module compatibility function, it is possible to replace the combination of a 16-point main module and a 16-point extension module in the CC-Link IE Field Network remote I/O modules with a single 32-point CC-Link IE TSN remote I/O module.

■ Extension input module

Type of extension module	Before replacement		After replacement	Restrictions
	CC-Link IE Field Network remote I/O module			
	Main module	Extension module		
Spring clamp terminal block type	NZ2GF2S1-16D	NZ2EX2S1-16D	NZ2GN2S1-32D	When the common wiring method for the main module differs from that of the extension module, unify the method to positive common or negative common.
Screw terminal block type	NZ2GF2B1N1-16D	NZ2EX2B1N-16D	NZ2GN2B1-32D	

■ Extension output module

Type of extension module	Before replacement		After replacement	Restrictions
	CC-Link IE Field Network remote I/O module			
	Main module	Extension module		
Spring clamp terminal block type	NZ2GF2S1-16D	NZ2EX2S1-16T	NZ2GN2S1-32DT	Only the positive common is used for input.
	NZ2GF2S1-16T		NZ2GN2S1-32T	When the external power supply for the output part differs between the main module and extension module, use the same external power supply.
	NZ2GF2S1-16D	NZ2EX2S1-16TE	NZ2GN2S1-32DTE	Only the negative common is used for input.
	NZ2GF2S1-16TE		NZ2GN2S1-32TE	When the external power supply for the output part differs between the main module and extension module, use the same external power supply.
Screw terminal block type	NZ2GF2B1N1-16D	NZ2EX2B1N-16T	NZ2GN2B1-32DT	Only the positive common is used for input.
	NZ2GF2B1N1-16T		NZ2GN2B1-32T	When the external power supply for the output part differs between the main module and extension module, use the same external power supply.
	NZ2GF2B1N1-16D	NZ2EX2B1N-16TE	NZ2GN2B1-32DTE	Only the negative common is used for input.
	NZ2GF2B1N1-16TE		NZ2GN2B1-32TE	When the external power supply for the output part differs between the main module and extension module, use the same external power supply.

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2.2 Comparison of Specifications

The following table shows a comparison of specifications. For specifications other than those in the table below, refer to the manuals for each module used.

Input module

NZ2GF2S1-16D and NZ2GN2S1-16D

Item	Before replacement		After replacement	Cautions on replacement
	CC-Link IE Field Network remote I/O module		CC-Link IE TSN remote I/O module	
	NZ2GF2S1-16D		NZ2GN2S1-16D	
Station type	Remote device station		Remote device station	—
Rated input current	6.0mA TYP. (for 24VDC)		6.6mA TYP. (for 24VDC)	—
Maximum number of simultaneous input points	100%		100%	—
ON voltage/ON current	15VDC or higher/4mA or higher		11VDC or higher/4mA or higher	There is no influence because the ON range is expanded.
OFF voltage/OFF current	5VDC or lower/1.5mA or lower		5VDC or lower/1.5mA or lower	
Input resistance	3.8kΩ		3.3kΩ	—
Input response time	0ms/0.2ms/1ms/1.5ms/5ms/10ms/20ms/70ms (Initial setting: 10ms)		0ms/0.2ms/1ms/1.5ms/5ms/10ms/20ms/70ms (Initial setting: 10ms)	Change the settings according to the usage status.
External interface	Module power supply part	Terminal block for module power supply and FG (2-piece spring clamp terminal block)	Terminal block for module power supply and FG (2-piece spring clamp terminal block)	*1
	I/O part	2-piece spring clamp terminal block	2-piece spring clamp terminal block	
Applicable solderless terminal	Refer to the following. ☞ Page 27 Comparison of Applicable Solderless Terminal for Each Terminal Block		Refer to the following. ☞ Page 27 Comparison of Applicable Solderless Terminal for Each Terminal Block	—
Cyclic transmission (RX/Ry)	Number of points used: 16 × (1 + Number of extension modules)		Number of points used: 16	*2
Cyclic transmission (RWr/RWw)	Number of points used: 20 (Default value. Can be changed.)		Number of points used: 20 (Default value. Can be changed.)	—
Availability of connecting extension module	Available (only 1 module)		Not available	*3
Module power supply (current)	180mA or lower (24VDC, at all points ON)		110mA or lower (24VDC, at all points ON)	—
Weight	0.31kg		0.15kg	—

*1 The shapes of module power supply terminal block and I/O terminal block differ. Change the wiring. For details, refer to the following.

☞ Page 27 Comparison of Applicable Solderless Terminal for Each Terminal Block

*2 There is no influence when no extension module is used. When extension modules are used, refer to the following.

☞ Page 4 Extension module

*3 When extension modules are used, refer to the following.

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NZ2GF2B1-32D and NZ2GN2B1-32D

Item	Before replacement		After replacement		Cautions on replacement
	CC-Link IE Field Network remote I/O module		CC-Link IE TSN remote I/O module		
	NZ2GF2B1-32D		NZ2GN2B1-32D		
Station type	Intelligent device station		Intelligent device station		—
ON voltage/ON current	15VDC or higher/4mA or higher		11VDC or higher/4mA or higher		There is no influence because the ON range is expanded.
OFF voltage/OFF current	5VDC or lower/1.5mA or lower		5VDC or lower/1.5mA or lower		
Input resistance	3.8kΩ		3.3kΩ		—
Input response time	0ms/0.2ms/1ms/1.5ms/5ms/10ms/20ms/70ms (Initial setting: 10ms)		0ms/0.2ms/1ms/1.5ms/5ms/10ms/20ms/70ms (Initial setting: 10ms)		Change the settings according to the usage status.
External interface	Module power supply part	Terminal block for module power supply and FG (2-piece spring clamp terminal block)		*1	
	I/O part	34-point 2-piece terminal block Tightening torque range for terminal screw (M3 × 5.2): 0.43 to 0.57N·m			
Applicable solderless terminal	Refer to the following. ☞ Page 27 Comparison of Applicable Solderless Terminal for Each Terminal Block		Refer to the following. ☞ Page 27 Comparison of Applicable Solderless Terminal for Each Terminal Block		—
Cyclic transmission (RW _r /RW _w)	Number of points used: 20 (Default value. Can be changed.)		Number of points used: 20 (Default value. Can be changed.)		—
Module power supply (current)	120mA or lower (24VDC, at all points ON)		110mA or lower (24VDC, at all points ON)		—
Weight	0.38kg		0.31kg		—

*1 The shapes of module power supply terminal block and I/O terminal block differ. Change the wiring. For details, refer to the following.
☞ Page 27 Comparison of Applicable Solderless Terminal for Each Terminal Block

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NZ2GF2B1N1-16D and NZ2GN2B1-16D

Item	Before replacement		After replacement		Cautions on replacement
	CC-Link IE Field Network remote I/O module		CC-Link IE TSN remote I/O module		
	NZ2GF2B1N1-16D		NZ2GN2B1-16D		
Input type	DC input (positive/negative common shared type)		DC input (positive/negative common shared type)		—
Station type	Remote device station		Remote device station		—
Rated input current	6.0mA TYP. (for 24VDC)		6.6mA TYP. (for 24VDC)		—
Maximum number of simultaneous input points	100%		100%		—
ON voltage/ON current	15VDC or higher/4mA or higher		11VDC or higher/4mA or higher		There is no influence because the ON range is expanded.
OFF voltage/OFF current	5VDC or lower/1.5mA or lower		5VDC or lower/1.5mA or lower		
Input resistance	3.8kΩ		3.3kΩ		—
Input response time	0ms/0.2ms/1ms/1.5ms/5ms/10ms/20ms/70ms (Initial setting: 10ms)		0ms/0.2ms/1ms/1.5ms/5ms/10ms/20ms/70ms (Initial setting: 10ms)		Change the settings according to the usage status.
External interface	Module power supply part	Terminal block for module power supply and FG (2-piece spring clamp terminal block)	Terminal block for module power supply and FG (2-piece spring clamp terminal block)		*1
	I/O part	18-point 2-piece terminal block Tightening torque range for terminal screw (M3 × 5.2): 0.43 to 0.57N·m	18-point 2-piece terminal block Tightening torque range for terminal screw (M3 × 5.2): 0.43 to 0.57N·m		
Applicable solderless terminal	Refer to the following. ☞ Page 27 Comparison of Applicable Solderless Terminal for Each Terminal Block		Refer to the following. ☞ Page 27 Comparison of Applicable Solderless Terminal for Each Terminal Block		—
Cyclic transmission (RX/Ry)	Number of points used: 16 × (1 + Number of extension modules)		Number of points used: 16		*2
Cyclic transmission (RWr/RWw)	Number of points used: 20 (Default value. Can be changed.)		Number of points used: 20 (Default value. Can be changed.)		—
Availability of connecting extension module	Available (up to 3 modules)		Not available		*3
Module power supply (current)	120mA or lower (24VDC, at all points ON)		110mA or lower (24VDC, at all points ON)		—
Weight	0.30kg		0.21kg		—

*1 The shapes of module power supply terminal block and I/O terminal block differ. Change the wiring. For details, refer to the following.
☞ Page 27 Comparison of Applicable Solderless Terminal for Each Terminal Block

*2 There is no influence when no extension module is used. When extension modules are used, refer to the following.
☞ Page 4 Extension module

*3 When extension modules are used, refer to the following.
☞ Page 4 Extension module

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NZ2GFCE3N-32D and NZ2GNCE3-32D

Item	Before replacement	After replacement	Cautions on replacement
	CC-Link IE Field Network remote I/O module	CC-Link IE TSN remote I/O module	
	NZ2GFCE3N-32D	NZ2GNCE3-32D	
Station type	Remote device station	Remote device station	—
Rated input current	4.0mA TYP. (for 24VDC)	6.6mA TYP. (for 24VDC)	—
ON voltage/ON current	17VDC or higher/3mA or higher	11VDC or higher/4mA or higher	There is no influence because the ON range is expanded.
OFF voltage/OFF current	5VDC or lower/1.5mA or lower	5VDC or lower/1.5mA or lower	
Input resistance	5.7kΩ	3.3kΩ	—
Input response time	0ms/0.2ms/1ms/1.5ms/5ms/10ms/20ms/70ms (Initial setting: 10ms)	0ms/0.2ms/1ms/1.5ms/5ms/10ms/20ms/70ms (Initial setting: 10ms)	Change the settings according to the usage status.
Cyclic transmission (RX/Ry)	Number of points used: 32 + 16 × Number of extension modules	Number of points used: 32	—
Cyclic transmission (RWr/RWw)	Number of points used: 20 (Default value. Can be changed.)	Number of points used: 20 (Default value. Can be changed.)	—
Availability of connecting extension module	Available (only 1 module)	Not available	—
Module power supply (current)	100mA or lower (24VDC, at all points ON)	110mA or lower (24VDC, at all points ON)	—
Weight	0.30kg	0.25kg	—

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NZ2GFCF1-32D and NZ2GNCF1-32D			
Item	Before replacement	After replacement	Cautions on replacement
	CC-Link IE Field Network remote I/O module	CC-Link IE TSN remote I/O module	
	NZ2GFCF1-32D	NZ2GNCF1-32D	
Station type	Intelligent device station	Intelligent device station	—
Rated input current	4.0mA TYP. (for 24VDC)	6.6mA TYP. (for 24VDC)	—
ON voltage/ON current	19VDC or higher/3mA or higher	11VDC or higher/4mA or higher	There is no influence because the ON range is expanded.
OFF voltage/OFF current	5VDC or lower/1.5mA or lower	5VDC or lower/1.5mA or lower	
Input resistance	5.7kΩ	3.3kΩ	—
Input response time	0ms/0.2ms/1ms/1.5ms/5ms/10ms/20ms/70ms (Initial setting: 10ms)	0ms/0.2ms/1ms/1.5ms/5ms/10ms/20ms/70ms (Initial setting: 10ms)	Change the settings according to the usage status.
Cyclic transmission (RX/Ry)	Number of points used: 32 + 16 × Number of extension modules	Number of points used: 32	—
Cyclic transmission (RWr/RWw)	Number of points used: 20 (Default value. Can be changed.)	Number of points used: 20 (Default value. Can be changed.)	—
Availability of connecting extension module	Available (only 1 module)	Not available	—
Module power supply (current)	100mA or lower (24VDC, at all points ON)	110mA or lower (24VDC, at all points ON)	—
Weight	0.26kg	0.20kg	—

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NZ2GF12A4-16D/NZ2GF12A4-16DE and NZ2GN12A4-16D/NZ2GN12A4-16DE

Item	Before replacement		After replacement		Cautions on replacement
	CC-Link IE Field Network remote I/O module		CC-Link IE TSN remote I/O module		
	NZ2GF12A4-16D NZ2GF12A4-16DE		NZ2GN12A4-16D NZ2GN12A4-16DE		
Rated input current	7mA TYP.		7.3mA TYP.		—
ON voltage/ON current	15VDC or higher/3.5mA or higher		11VDC or higher/4mA or higher		Check that the connected device satisfies the ON/OFF condition.
OFF voltage/OFF current	8VDC or lower/1.7mA or lower		5VDC or lower/1.5mA or lower		
Input resistance	3.3kΩ		3.0kΩ		—
Input response time	0/0.5/1/1.5/5/10/20/70ms (Initial setting: 10ms)		0/0.2/1/1.5/5/10/20/70ms (Initial setting: 10ms)		If the setting value of 0.5 is used for the present model, other setting should be set for the alternative model.
Cyclic transmission (RX/Ry)	Number of points used: 16		Number of points used: 16		—
Cyclic transmission (RWr/RWw)	Number of points used: 12		Number of points used: 12 (Default)		*1
External interface	Communication part	M12 waterproof connector, X-cord		M12 waterproof connector, X-cord	—
	Module power supply part	7/8" waterproof connector		M12 waterproof connector, L-cord	The connector type differs, so the connector for the power supply cable should be changed.
	I/O part	M12 waterproof connector, A-cord		M12 waterproof connector, A-cord	The connector type is not changed, but the alternative model does not support the one-touch type. A cable with a screw-type connector should be used.

*1 Some remote register areas cannot be used. For details, refer to the following.

☞ Page 31 Remote register (RWr, RWw)

Output module

NZ2GF2S1-16T and NZ2GN2S1-16T

Item	Before replacement		After replacement		Cautions on replacement
	CC-Link IE Field Network remote I/O module		CC-Link IE TSN remote I/O module		
	NZ2GF2S1-16T		NZ2GN2S1-16T		
Station type	Remote device station		Remote device station		—
Output response time	OFF → ON	0.5ms or less	0.1ms or less		*1
	ON → OFF	1.5ms or less (resistance load)	0.8ms or less (resistance load)		
External power supply for output part	Voltage	12/24VDC (Ripple ratio: 5% or less) (Allowable voltage range: 10.2 to 28.8VDC)	12/24VDC (Ripple ratio: 5% or less) (Allowable voltage range: 10.2 to 28.8VDC)		Current consumption differs. Check the allowable current range for the power supply used.
	Current	8mA or lower (TYP. 24VDC/common). External load current is not included.	40mA or lower (TYP. 24VDC/common). External load current is not included.		
Protection function	Overload protection function	Limited current when overcurrent is detected: 1A or higher/point. Activated at each point.	Limited current when overcurrent is detected: 1.5 to 3.5A/point. Activated at each point.		*2
	Overheat protection function	Activated at each point.	Activated at each point.		
External interface	Module power supply part	Terminal block for module power supply and FG (2-piece spring clamp terminal block)	Terminal block for module power supply and FG (2-piece spring clamp terminal block)		*3
	I/O part	2-piece spring clamp terminal block	2-piece spring clamp terminal block		
Applicable solderless terminal	Refer to the following. ☞ Page 27 Comparison of Applicable Solderless Terminal for Each Terminal Block		Refer to the following. ☞ Page 27 Comparison of Applicable Solderless Terminal for Each Terminal Block		—
Cyclic transmission (RX/Ry)	Number of points used: 16 × (1 + Number of extension modules)		Number of points used: 16		*4
Cyclic transmission (RWr/RWw)	Number of points used: 20 (Default value. Can be changed.)		Number of points used: 20 (Default value. Can be changed.)		—
Availability of connecting extension module	Available (only 1 module)		Not available		—
Module power supply (current)	190mA or lower (24VDC, at all points ON)		110mA or lower (24VDC, at all points ON)		—
Weight	0.31kg		0.15kg		—

*1 Response time is shortened. Perform operation verification as required.

*2 Output current value limited when overcurrent is detected differs. However, there is no influence for normal operation.

*3 The shapes of module power supply terminal block and I/O terminal block differ. Change the wiring. For details, refer to the following.
☞ Page 27 Comparison of Applicable Solderless Terminal for Each Terminal Block

*4 There is no influence when no extension module is used. When extension modules are used, refer to the following.
☞ Page 4 Extension module

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NZ2GF2S1-16TE and NZ2GN2S1-16TE

Item	Before replacement		After replacement		Cautions on replacement
	CC-Link IE Field Network remote I/O module		CC-Link IE TSN remote I/O module		
	NZ2GF2S1-16TE		NZ2GN2S1-16TE		
Station type	Remote device station		Remote device station		—
Maximum voltage drop at ON	0.5VDC (TYP.) 0.5A, 0.8VDC (MAX.) 0.5A		0.5VDC (TYP.) 0.5A, 0.8VDC (MAX.) 0.5A		—
Output response time	OFF → ON	0.5ms or less	0.5ms or less		*1
	ON → OFF	1.5ms or less (resistance load)	1.0ms or less (resistance load)		
External power supply for output part	Voltage	12/24VDC (Ripple ratio: 5% or less) (Allowable voltage range: 10.2 to 28.8VDC)	12/24VDC (Ripple ratio: 5% or less) (Allowable voltage range: 10.2 to 28.8VDC)		Current consumption differs. Check the allowable current range for the power supply used.
	Current	21mA or lower (TYP. 24VDC/common). External load current is not included.	80mA or lower (TYP. 24VDC/common). External load current is not included.		
Protection function	Overload protection function	Limited current when overcurrent is detected: 1A or higher/point. Activated at each point.	Limited current when overcurrent is detected: 1.5A or higher/point. Activated at each point.		*2
	Overheat protection function	Activated at each point.	Activated at each point.		
External interface	Module power supply part	Terminal block for module power supply and FG (2-piece spring clamp terminal block)	Terminal block for module power supply and FG (2-piece spring clamp terminal block)		*3
	I/O part	2-piece spring clamp terminal block	2-piece spring clamp terminal block		
Applicable solderless terminal	Refer to the following. ☞ Page 27 Comparison of Applicable Solderless Terminal for Each Terminal Block		Refer to the following. ☞ Page 27 Comparison of Applicable Solderless Terminal for Each Terminal Block		—
Cyclic transmission (RX/Ry)	Number of points used: 16 × (1 + Number of extension modules)		Number of points used: 16		*4
Cyclic transmission (RWr/RWw)	Number of points used: 20 (Default value. Can be changed.)		Number of points used: 20 (Default value. Can be changed.)		—
Availability of connecting extension module	Available (only 1 module)		Not available		—
Module power supply (current)	190mA or lower (24VDC, at all points ON)		110mA or lower (24VDC, at all points ON)		—
Weight	0.31kg		0.15kg		—

*1 Response time is shortened. Perform operation verification as required.

*2 Output current value limited when overcurrent is detected differs. However, there is no influence for normal operation.

*3 The shapes of module power supply terminal block and I/O terminal block differ. Change the wiring. For details, refer to the following.
☞ Page 27 Comparison of Applicable Solderless Terminal for Each Terminal Block

*4 There is no influence when no extension module is used. When extension modules are used, refer to the following.
☞ Page 4 Extension module

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NZ2GF2B1-32T and NZ2GN2B1-32T

Item	Before replacement		After replacement		Cautions on replacement
	CC-Link IE Field Network remote I/O module		CC-Link IE TSN remote I/O module		
	NZ2GF2B1-32T		NZ2GN2B1-32T		
Station type	Intelligent device station		Intelligent device station		—
Output response time	OFF → ON	0.5ms or less	0.1ms or less		*1
	ON → OFF	1.5ms or less (resistance load)	0.8ms or less (resistance load)		
External power supply for output part	Voltage	12/24VDC (Ripple ratio: 5% or less) (Allowable voltage range: 10.2 to 28.8VDC)	12/24VDC (Ripple ratio: 5% or less) (Allowable voltage range: 10.2 to 28.8VDC)		Current consumption differs. Check the allowable current range for the power supply used.
	Current	25mA or lower (TYP. 24VDC/common). External load current is not included.	40mA or lower (TYP. 24VDC/common). External load current is not included.		
Protection function	Overload protection function	Limited current when overcurrent is detected: 1A or higher/point. Activated at each point.	Limited current when overcurrent is detected: 1.5 to 3.5A/point. Activated at each point.		*2
	Overheat protection function	Activated at each point.	Activated at each point.		
External interface	Module power supply part	Terminal block for module power supply and FG (2-piece spring clamp terminal block)	Terminal block for module power supply and FG (2-piece spring clamp terminal block)		*3
	I/O part	34-point 2-piece terminal block Tightening torque range for terminal screw (M3 × 5.2): 0.43 to 0.57N·m	34-point 2-piece terminal block Tightening torque range for terminal screw (M3 × 5.2): 0.43 to 0.57N·m		
Applicable solderless terminal	Refer to the following. ☞ Page 27 Comparison of Applicable Solderless Terminal for Each Terminal Block		Refer to the following. ☞ Page 27 Comparison of Applicable Solderless Terminal for Each Terminal Block		—
Cyclic transmission (RWr/RWw)	Number of points used: 20 (Default value. Can be changed.)		Number of points used: 20 (Default value. Can be changed.)		—
Module power supply (current)	130mA or lower (24VDC, at all points ON)		120mA or lower (24VDC, at all points ON)		—
Weight	0.38kg		0.29kg		—

*1 Response time is shortened. Perform operation verification as required.

*2 Output current value limited when overcurrent is detected differs. However, there is no influence for normal operation.

*3 The shapes of module power supply terminal block and I/O terminal block differ. Change the wiring. For details, refer to the following.
☞ Page 27 Comparison of Applicable Solderless Terminal for Each Terminal Block

FA-A-0475-A

NZ2GF2B1-32TE and NZ2GN2B1-32TE

Item	Before replacement		After replacement		Cautions on replacement
	CC-Link IE Field Network remote I/O module		CC-Link IE TSN remote I/O module		
	NZ2GF2B1-32TE		NZ2GN2B1-32TE		
Station type	Intelligent device station		Intelligent device station		—
Output response time	OFF → ON	0.5ms or less	0.5ms or less		*1
	ON → OFF	1.5ms or less (resistance load)	1.0ms or less (resistance load)		
External power supply for output part	Voltage	12/24VDC (Ripple ratio: 5% or less) (Allowable voltage range: 10.2 to 28.8VDC)	12/24VDC (Ripple ratio: 5% or less) (Allowable voltage range: 10.2 to 28.8VDC)		Current consumption differs. Check the allowable current range for the power supply used.
	Current	50mA or lower (TYP. 24VDC/common). External load current is not included.	80mA or lower (TYP. 24VDC/common). External load current is not included.		
External interface	Module power supply part	Terminal block for module power supply and FG (2-piece spring clamp terminal block)	Terminal block for module power supply and FG (2-piece spring clamp terminal block)		*2
	I/O part	34-point 2-piece terminal block Tightening torque range for terminal screw (M3 × 5.2): 0.43 to 0.57N·m	34-point 2-piece terminal block Tightening torque range for terminal screw (M3 × 5.2): 0.43 to 0.57N·m		
Applicable solderless terminal	Refer to the following. ☞ Page 27 Comparison of Applicable Solderless Terminal for Each Terminal Block		Refer to the following. ☞ Page 27 Comparison of Applicable Solderless Terminal for Each Terminal Block		—
Cyclic transmission (RW _r /RW _w)	Number of points used: 20 (Default value. Can be changed.)		Number of points used: 20 (Default value. Can be changed.)		—
Module power supply (current)	130mA or lower (24VDC, at all points ON)		120mA or lower (24VDC, at all points ON)		—
Weight	0.38kg		0.29kg		—

*1 Response time is shortened. Perform operation verification as required.

*2 The shapes of module power supply terminal block and I/O terminal block differ. Change the wiring. For details, refer to the following.
☞ Page 27 Comparison of Applicable Solderless Terminal for Each Terminal Block

FA-A-0475-A

NZ2GF2B1N1-16T and NZ2GN2B1-16T

Item	Before replacement		After replacement		Cautions on replacement
	CC-Link IE Field Network remote I/O module		CC-Link IE TSN remote I/O module		
	NZ2GF2B1N1-16T		NZ2GN2B1-16T		
Station type	Remote device station		Remote device station		—
Output response time	OFF → ON	0.5ms or less	0.1ms or less		*1
	ON → OFF	1.5ms or less (resistance load)	0.8ms or less (resistance load)		
External power supply for output part	Voltage	12/24VDC (Ripple ratio: 5% or less) (Allowable voltage range: 10.2 to 28.8VDC)	12/24VDC (Ripple ratio: 5% or less) (Allowable voltage range: 10.2 to 28.8VDC)		Current consumption differs. Check the allowable current range for the power supply used.
	Current	8mA or lower (TYP. 24VDC/common). External load current is not included.	40mA or lower (TYP. 24VDC/common). External load current is not included.		
Protection function	Overload protection function	Limited current when overcurrent is detected: 1A or higher/point. Activated at each point.	Limited current when overcurrent is detected: 1.5 to 3.5A/point. Activated at each point.		*2
	Overheat protection function	Activated at each point.	Activated at each point.		
External interface	Module power supply part	Terminal block for module power supply and FG (2-piece spring clamp terminal block)	Terminal block for module power supply and FG (2-piece spring clamp terminal block)		*3
	I/O part	18-point 2-piece terminal block Tightening torque range for terminal screw (M3 × 5.2): 0.43 to 0.57N·m	18-point 2-piece terminal block Tightening torque range for terminal screw (M3 × 5.2): 0.43 to 0.57N·m		
Applicable solderless terminal	Refer to the following. ☞ Page 27 Comparison of Applicable Solderless Terminal for Each Terminal Block		Refer to the following. ☞ Page 27 Comparison of Applicable Solderless Terminal for Each Terminal Block		—
Cyclic transmission (RX/Ry)	Number of points used: 16 × (1 + Number of extension modules)		Number of points used: 16		*4
Cyclic transmission (RWr/RWw)	Number of points used: 20 (Default value. Can be changed.)		Number of points used: 20 (Default value. Can be changed.)		—
Availability of connecting extension module	Available (up to 3 modules)		Not available		—
Module power supply (current)	130mA or lower (24VDC, at all points ON)		110mA or lower (24VDC, at all points ON)		—
Weight	0.30kg		0.21kg		—

*1 Response time is shortened. Perform operation verification as required.

*2 Output current value limited when overcurrent is detected differs. However, there is no influence for normal operation.

*3 The shapes of module power supply terminal block and I/O terminal block differ. Change the wiring. For details, refer to the following.
☞ Page 27 Comparison of Applicable Solderless Terminal for Each Terminal Block

*4 There is no influence when no extension module is used. When extension modules are used, refer to the following.
☞ Page 4 Extension module

FA-A-0475-A

NZ2GF2B1N1-16TE and NZ2GN2B1-16TE

Item	Before replacement		After replacement		Cautions on replacement
	CC-Link IE Field Network remote I/O module		CC-Link IE TSN remote I/O module		
	NZ2GF2B1N1-16TE		NZ2GN2B1-16TE		
Station type	Remote device station		Remote device station		—
Output response time	OFF → ON	0.5ms or less	0.5ms or less		*1
	ON → OFF	1.5ms or less (resistance load)	1.0ms or less (resistance load)		
External power supply for output part	Voltage	12/24VDC (Ripple ratio: 5% or less) (Allowable voltage range: 10.2 to 28.8VDC)	12/24VDC (Ripple ratio: 5% or less) (Allowable voltage range: 10.2 to 28.8VDC)		Current consumption differs. Check the allowable current range for the power supply used.
	Current	21mA or lower (TYP. 24VDC/common). External load current is not included.	80mA or lower (TYP. 24VDC/common). External load current is not included.		
External interface	Module power supply part	Terminal block for module power supply and FG (2-piece spring clamp terminal block)	Terminal block for module power supply and FG (2-piece spring clamp terminal block)		*2
	I/O part	18-point 2-piece terminal block Tightening torque range for terminal screw (M3 × 5.2): 0.43 to 0.57N·m	18-point 2-piece terminal block Tightening torque range for terminal screw (M3 × 5.2): 0.43 to 0.57N·m		
Applicable solderless terminal	Refer to the following. ☞ Page 27 Comparison of Applicable Solderless Terminal for Each Terminal Block		Refer to the following. ☞ Page 27 Comparison of Applicable Solderless Terminal for Each Terminal Block		—
Cyclic transmission (RX/Ry)	Number of points used: 16 × (1 + Number of extension modules)		Number of points used: 16		*3
Cyclic transmission (RWr/RWw)	Number of points used: 20 (Default value. Can be changed.)		Number of points used: 20 (Default value. Can be changed.)		—
Availability of connecting extension module	Available (up to 3 modules)		Not available		—
Module power supply (current)	130mA or lower (24VDC, at all points ON)		110mA or lower (24VDC, at all points ON)		—
Weight	0.30kg		0.21kg		—

*1 Response time is shortened. Perform operation verification as required.

*2 The shapes of module power supply terminal block and I/O terminal block differ. Change the wiring. For details, refer to the following.
☞ Page 27 Comparison of Applicable Solderless Terminal for Each Terminal Block

*3 There is no influence when no extension module is used. When extension modules are used, refer to the following.
☞ Page 4 Extension module

FA-A-0475-A

NZ2GFCF1-32T and NZ2GNCF1-32T

Item	Before replacement		After replacement		Cautions on replacement
	CC-Link IE Field Network remote I/O module		CC-Link IE TSN remote I/O module		
	NZ2GFCF1-32T		NZ2GNCF1-32T		
Station type	Intelligent device station		Intelligent device station		—
Output response time	OFF → ON	0.5ms or less	0.1ms or less		*1
	ON → OFF	1.5ms or less (resistance load)	0.8ms or less (resistance load)		
External power supply for output part	Voltage	12/24VDC (Ripple ratio: 5% or less) (Allowable voltage range: 10.2 to 28.8VDC)	12/24VDC (Ripple ratio: 5% or less) (Allowable voltage range: 10.2 to 28.8VDC)		Current consumption differs. Check the allowable current range for the power supply used.
	Current	15mA or lower (TYP. 24VDC/common). External load current is not included.	40mA or lower (TYP. 24VDC/common). External load current is not included.		
Cyclic transmission (RX/Ry)	Number of points used: 32 + 16 × Number of extension modules		Number of points used: 32		—
Cyclic transmission (RWr/RWw)	Number of points used: 20 (Default value. Can be changed.)		Number of points used: 20 (Default value. Can be changed.)		—
Availability of connecting extension module	Available (only 1 module)		Not available		—
Module power supply (current)	110mA or lower (24VDC, at all points ON)		120mA or lower (24VDC, at all points ON)		—
Weight	0.26kg		0.16kg		—

*1 Response time is shortened. Perform operation verification as required.

FA-A-0475-A

NZ2GF12A2-16T and NZ2GN12A2-16T

Item		Before replacement	After replacement	Cautions on replacement
		CC-Link IE Field Network remote I/O module	CC-Link IE TSN remote I/O module	
		NZ2GF12A2-16T	NZ2GN12A2-16T	
Output response time	OFF → ON	0.5ms or less	0.5ms or less	*1
	ON → OFF	1.5ms or less (resistance load)	0.8ms or less (resistance load)	
Maximum load current		2A/1 point 8A/1 common	4A/1 point (Y0 to Y3)*2 2A/1 point (Y4 to YF) 12A/1 common	—
Maximum voltage drop at ON		0.5A at 0.3VDC (TYP.) 0.5A at 0.6VDC (MAX.)	2A at 0.25VDC (TYP.) 2A at 0.5VDC (MAX.) 4A at 0.5VDC (TYP.) 4A at 1.0VDC (MAX.)	
Cyclic transmission (RX/Ry)		Number of points used: 16	Number of points used: 16	—
Cyclic transmission (RWr/RWw)		Number of points used: 12	Number of points used: 12 (Default)	*3
External interface	Communication part	M12 waterproof connector, X-cord	M12 waterproof connector, X-cord	—
	Module power supply part	7/8" waterproof connector	M12 waterproof connector, L-cord	The connector type differs, so the connector for the power supply cable should be changed.
	I/O part	M12 waterproof connector, A-cord	M12 waterproof connector, A-cord	The connector type is not changed, but the alternative model does not support the one-touch type. A cable with a screw-type connector should be used.

*1 When the output delay time is considered in the system design, the operation of the whole system should be reviewed.

*2 The total output current that flows through one connector should be 4A or less.

*3 Some remote register areas cannot be used. For details, refer to the following.

☞ Page 31 Remote register (RWr, RWw)

FA-A-0475-A

NZ2GF12A2-16TE and NZ2GN12A2-16TE

Item		Before replacement	After replacement	Cautions on replacement
		CC-Link IE Field Network remote I/O module	CC-Link IE TSN remote I/O module	
		NZ2GF12A2-16TE	NZ2GN12A2-16TE	
Output response time	OFF → ON	0.5ms or less	0.5ms or less	*1
	ON → OFF	1.5ms or less (resistance load)	0.8ms or less (resistance load)	
Maximum load current		2A/1 point 8A/1 common	4A/1 point (Y0 to Y3)*2 2A/1 point (Y4 to YF) 12A/1 common	Current consumption differs. Check the allowable current range for the power supply used.
Maximum voltage drop at ON		0.5A at 0.5VDC (TYP.) 0.5A at 0.8VDC (MAX.)	2A at 0.3VDC (TYP.) 2A at 0.6VDC (MAX.) 4A at 0.6VDC (TYP.) 4A at 1.2VDC (MAX.)	
Cyclic transmission (RX/Ry)		Number of points used: 16	Number of points used: 16	—
Cyclic transmission (RWr/RWw)		Number of points used: 12	Number of points used: 12 (Default)	*3
External interface	Communication part	M12 waterproof connector, X-cord	M12 waterproof connector, X-cord	—
	Module power supply part	7/8" waterproof connector	M12 waterproof connector, L-cord	The connector type differs, so the connector for the power supply cable should be changed.
	I/O part	M12 waterproof connector, A-cord	M12 waterproof connector, A-cord	The connector type is not changed, but the alternative model does not support the one-touch type. A cable with a screw-type connector should be used.

*1 When the output delay time is considered in the system design, the operation of the whole system should be reviewed.

*2 The total output current that flows through one connector should be 4A or less.

*3 Some remote register areas cannot be used. For details, refer to the following.

☞ Page 31 Remote register (RWr, RWw)

FA-A-0475-A

I/O combined module

NZ2GF2B1-32DT and NZ2GN2B1-32DT

Input specifications

Item	Before replacement		After replacement		Cautions on replacement
	CC-Link IE Field Network remote I/O module		CC-Link IE TSN remote I/O module		
	NZ2GF2B1-32DT		NZ2GN2B1-32DT		
ON voltage/ON current	15VDC or higher/4mA or higher		11VDC or higher/4mA or higher		There is no influence because the ON range is expanded.
OFF voltage/OFF current	5VDC or lower/1.5mA or lower		5VDC or lower/1.5mA or lower		
Input resistance	3.8kΩ		3.3kΩ		—
Input response time	0ms/0.2ms/1ms/1.5ms/5ms/10ms/20ms/70ms (Initial setting: 10ms)		0ms/0.2ms/1ms/1.5ms/5ms/10ms/20ms/70ms (Initial setting: 10ms)		Change the settings according to the usage status.

Output specifications

Item	Before replacement		After replacement		Cautions on replacement
	CC-Link IE Field Network remote I/O module		CC-Link IE TSN remote I/O module		
	NZ2GF2B1-32DT		NZ2GN2B1-32DT		
Output response time	OFF → ON	0.5ms or less	0.1ms or less	*1	
	ON → OFF	1.5ms or less (resistance load)	0.8ms or less (resistance load)		
External power supply for output part	Voltage	24VDC (Ripple ratio: 5% or less) (Allowable voltage range: 20.4 to 28.8VDC)	24VDC (Ripple ratio: 5% or less) (Allowable voltage range: 20.4 to 28.8VDC)	Current consumption differs. Check the allowable current range for the power supply used.	
	Current	15mA or lower (24VDC, at all points ON). External load current is not included.	25mA or lower (TYP. 24VDC/common). External load current is not included.		
Protection function	Overload protection function	Limited current when overcurrent is detected: 1A or higher/point. Activated at each point.	Limited current when overcurrent is detected: 1.5 to 3.5A/point. Activated at each point.	*2	
	Overheat protection function	Activated at each point.	Activated at each point.		

*1 Response time is shortened. Perform operation verification as required.

*2 Output current value limited when overcurrent is detected differs. However, there is no influence for normal operation.

Common specifications

Item	Before replacement		After replacement		Cautions on replacement
	CC-Link IE Field Network remote I/O module		CC-Link IE TSN remote I/O module		
	NZ2GF2B1-32DT		NZ2GN2B1-32DT		
Station type	Intelligent device station		Intelligent device station		—
External interface	Module power supply part	Terminal block for module power supply and FG (2-piece spring clamp terminal block)	Terminal block for module power supply and FG (2-piece spring clamp terminal block)		*1
	I/O part	34-point 2-piece terminal block Tightening torque range for terminal screw (M3 × 5.2): 0.43 to 0.57N·m	34-point 2-piece terminal block Tightening torque range for terminal screw (M3 × 5.2): 0.43 to 0.57N·m		
Applicable solderless terminal	Refer to the following. ☞ Page 27 Comparison of Applicable Solderless Terminal for Each Terminal Block		Refer to the following. ☞ Page 27 Comparison of Applicable Solderless Terminal for Each Terminal Block		—
Cyclic transmission (RWr/RWw)	Number of points used: 20 (Default value. Can be changed.)		Number of points used: 20 (Default value. Can be changed.)		—
Module power supply (current)	120mA or lower (24VDC, at all points ON)		110mA or lower (24VDC, at all points ON)		—
Weight	0.38kg		0.31kg		—

*1 The shapes of module power supply terminal block and I/O terminal block differ. Change the wiring. For details, refer to the following.

☞ Page 27 Comparison of Applicable Solderless Terminal for Each Terminal Block

NZ2GF2B1-32DTE and NZ2GN2B1-32DTE

Input specifications

Item	Before replacement		After replacement		Cautions on replacement
	CC-Link IE Field Network remote I/O module		CC-Link IE TSN remote I/O module		
	NZ2GF2B1-32DTE		NZ2GN2B1-32DTE		
ON voltage/ON current	15VDC or higher/4mA or higher		11VDC or higher/4mA or higher		There is no influence because the ON range is expanded.
OFF voltage/OFF current	5VDC or lower/1.5mA or lower		5VDC or lower/1.5mA or lower		
Input resistance	3.8kΩ		3.3kΩ		—
Input response time	0ms/0.2ms/1ms/1.5ms/5ms/10ms/20ms/70ms (Initial setting: 10ms)		0ms/0.2ms/1ms/1.5ms/5ms/10ms/20ms/70ms (Initial setting: 10ms)		Change the settings according to the usage status.

Output specifications

Item	Before replacement		After replacement		Cautions on replacement
	CC-Link IE Field Network remote I/O module		CC-Link IE TSN remote I/O module		
	NZ2GF2B1-32DTE		NZ2GN2B1-32DTE		
Output response time	OFF → ON	0.5ms or less	0.5ms or less	*1	
	ON → OFF	1.5ms or less (resistance load)	1.0ms or less (resistance load)		
External power supply for output part	Voltage	24VDC (Ripple ratio: 5% or less) (Allowable voltage range: 20.4 to 28.8VDC)	24VDC (Ripple ratio: 5% or less) (Allowable voltage range: 20.4 to 28.8VDC)	Current consumption differs. Check the allowable current range for the power supply used.	
	Current	30mA or lower (24VDC, all points ON). External load current is not included.	45mA or lower (TYP. 24VDC/common). External load current is not included.		

*1 Response time is shortened. Perform operation verification as required.

Common specifications

Item	Before replacement		After replacement		Cautions on replacement
	CC-Link IE Field Network remote I/O module		CC-Link IE TSN remote I/O module		
	NZ2GF2B1-32DTE		NZ2GN2B1-32DTE		
Station type	Intelligent device station		Intelligent device station		—
External interface	Module power supply part	Terminal block for module power supply and FG (2-piece spring clamp terminal block)	Terminal block for module power supply and FG (2-piece spring clamp terminal block)		*1
	I/O part	34-point 2-piece terminal block Tightening torque range for terminal screw (M3 × 5.2): 0.43 to 0.57N·m	34-point 2-piece terminal block Tightening torque range for terminal screw (M3 × 5.2): 0.43 to 0.57N·m		
Applicable solderless terminal	Refer to the following. ☞ Page 27 Comparison of Applicable Solderless Terminal for Each Terminal Block		Refer to the following. ☞ Page 27 Comparison of Applicable Solderless Terminal for Each Terminal Block		—
Cyclic transmission (RWw/RWw)	Number of points used: 20 (Default value. Can be changed.)		Number of points used: 20 (Default value. Can be changed.)		—
Module power supply (current)	120mA or lower (24VDC, at all points ON)		110mA or lower (24VDC, at all points ON)		—
Weight	0.38kg		0.31kg		—

*1 The shapes of module power supply terminal block and I/O terminal block differ. Change the wiring. For details, refer to the following.
☞ Page 27 Comparison of Applicable Solderless Terminal for Each Terminal Block

FA-A-0475-A

NZ2GFCE3N-32DT and NZ2GNCE3-32DT

Input specifications

Item	Before replacement	After replacement	Cautions on replacement
	CC-Link IE Field Network remote I/O module	CC-Link IE TSN remote I/O module	
	NZ2GFCE3N-32DT	NZ2GNCE3-32DT	
Rated input current	4.0mA TYP. (20.4 to 28.8VDC)	6.6mA TYP. (for 24VDC)	—
ON voltage/ON current	17VDC or higher/3mA or higher	11VDC or higher/4mA or higher	There is no influence because the ON range is expanded.
OFF voltage/OFF current	5VDC or lower/1.5mA or lower	5VDC or lower/1.5mA or lower	
Input resistance	5.7kΩ	3.3kΩ	—
Input response time	0ms/0.2ms/1ms/1.5ms/5ms/10ms/20ms/70ms (Initial setting: 10ms)	0ms/0.2ms/1ms/1.5ms/5ms/10ms/20ms/70ms (Initial setting: 10ms)	Change the settings according to the usage status.

Output specifications

Item		Before replacement	After replacement	Cautions on replacement
		CC-Link IE Field Network remote I/O module	CC-Link IE TSN remote I/O module	
		NZ2GFCE3N-32DT	NZ2GNCE3-32DT	
Output response time	OFF → ON	0.5ms or less	0.1ms or less	*1
	ON → OFF	1.5ms or less (resistance load)	0.8ms or less (resistance load)	
External power supply for output part	Voltage	24VDC (Ripple ratio: 5% or less) (Allowable voltage range: 20.4 to 28.8VDC)	24VDC (Ripple ratio: 5% or less) (Allowable voltage range: 20.4 to 28.8VDC)	Current consumption differs. Check the allowable current range for the power supply used.
	Current	10mA or lower (24VDC, at all points ON). External load current is not included.	25mA or lower (TYP. 24VDC/common). External load current is not included.	
Protection function	Overload protection function	Limited current when overcurrent is detected: 1A or higher/point. Activated at each point.	Limited current when overcurrent is detected: 1.5 to 3.5A/point. Activated at each point.	*2
	Overheat protection function	Activated at each point.	Activated at each point.	

*1 Response time is shortened. Perform operation verification as required.

*2 Output current value limited when overcurrent is detected differs. However, there is no influence for normal operation.

Common specifications

Item	Before replacement	After replacement	Cautions on replacement
	CC-Link IE Field Network remote I/O module	CC-Link IE TSN remote I/O module	
	NZ2GFCE3N-32DT	NZ2GNCE3-32DT	
Station type	Remote device station	Remote device station	—
Cyclic transmission (RX/Ry)	Number of points used: 32 + 16 × Number of extension modules	Number of points used: 32	—
Cyclic transmission (RWr/RWw)	Number of points used: 20 (Default value. Can be changed.)	Number of points used: 20 (Default value. Can be changed.)	—
Availability of connecting extension module	Available (only 1 module)	Not available	—
Module power supply (current)	110mA or lower (24VDC, at all points ON)	110mA or lower (24VDC, at all points ON)	—
Weight	0.30kg	0.25kg	—

NZ2GF12A42-16DT and NZ2GN12A42-16DT

Input specifications

Item	Before replacement		After replacement		Cautions on replacement
	CC-Link IE Field Network remote I/O module		CC-Link IE TSN remote I/O module		
	NZ2GF12A42-16DT		NZ2GN12A42-16DT		
Rated input current	7mA TYP.		7.3mA TYP.		—
ON voltage/ON current	15VDC or higher/3.5mA or higher		11VDC or higher/4mA or higher		Check that the connected device satisfies the ON/OFF condition.
OFF voltage/OFF current	8VDC or lower/1.7mA or lower		5VDC or lower/1.5mA or lower		
Input resistance	3.3kΩ		3.0kΩ		—
Input response time	0ms/0.5ms/1ms/1.5ms/5ms/10ms/20ms/70ms (Initial setting: 10ms)		0ms/0.2ms/1ms/1.5ms/5ms/10ms/20ms/70ms (Initial setting: 10ms)		If the setting value of 0.5 is used for the present model, other setting should be set for the alternative model.

Output specifications

Item	Before replacement		After replacement		Cautions on replacement
	CC-Link IE Field Network remote I/O module		CC-Link IE TSN remote I/O module		
	NZ2GF12A42-16DT		NZ2GN12A42-16DT		
Output response time	OFF → ON	0.5ms or less	0.5ms or less	*1	
	ON → OFF	1.5ms or less (resistance load)	0.8ms or less (resistance load)		
Maximum load current	2A/1 point 8A/1 common		4A/1 point (Y8 to YB) ^{*2} 2A/1 point (YC to YF) 12A/1 common		—
Maximum voltage drop at ON	0.5A at 0.3VDC (TYP.) 0.5A at 0.6VDC (MAX.)		2A at 0.25VDC (TYP.) 2A at 0.5VDC (MAX.) 4A at 0.5VDC (TYP.) 4A at 1.0VDC (MAX.)		—

*1 When the output delay time is considered in the system design, the operation of the whole system should be reviewed.

*2 The total output current that flows through one connector should be 4A or less.

Common specifications

Item	Before replacement		After replacement		Cautions on replacement
	CC-Link IE Field Network remote I/O module		CC-Link IE TSN remote I/O module		
	NZ2GF12A42-16DT		NZ2GN12A42-16DT		
Cyclic transmission (RX/Ry)	Number of points used: 16		Number of points used: 16		—
Cyclic transmission (RWr/RWw)	Number of points used: 12		Number of points used: 12 (Default)		*1
Availability of connecting extension module	Available (only 1 module)		Not available		—
External interface	Communication part	M12 waterproof connector, X-cord		—	
	Module power supply part	7/8" waterproof connector		M12 waterproof connector, L-cord	The connector type differs, so the connector for the power supply cable should be changed.
	I/O part	M12 waterproof connector, A-cord		M12 waterproof connector, A-cord	The connector type is not changed, but the alternative model does not support the one-touch type. A cable with a screw-type connector should be used.

*1 Some remote register areas cannot be used. For details, refer to the following.

NZ2GF12A42-16DTE and NZ2GN12A42-16DTE

Input specifications

Item	Before replacement		After replacement		Cautions on replacement
	CC-Link IE Field Network remote I/O module		CC-Link IE TSN remote I/O module		
	NZ2GF12A42-16DTE		NZ2GN12A42-16DTE		
Rated input current	7mA TYP.		7.3mA TYP.		—
ON voltage/ON current	15VDC or higher/3.5mA or higher		11VDC or higher/4mA or higher		Check that the connected device satisfies the ON/OFF condition.
OFF voltage/OFF current	8VDC or lower/1.7mA or lower		5VDC or lower/1.5mA or lower		
Input resistance	3.3kΩ		3.0kΩ		—
Input response time	0ms/0.5ms/1ms/1.5ms/5ms/10ms/20ms/70ms		0ms/0.2ms/1ms/1.5ms/5ms/10ms/20ms/70ms		If the setting value of 0.5 is used for the present model, other setting should be set for the alternative model.

Output specifications

Item	Before replacement		After replacement		Cautions on replacement
	CC-Link IE Field Network remote I/O module		CC-Link IE TSN remote I/O module		
	NZ2GF12A42-16DTE		NZ2GN12A42-16DTE		
Output response time	OFF → ON	0.5ms or less	0.5ms or less	*1	
	ON → OFF	1.5ms or less	1.0ms or less		
Maximum load current	2A/1 point 8A/1 common		4A/1 point (Y8 to YB) ^{*2} 2A/1 point (YC to YF) 12A/1 common		—
Maximum voltage drop at ON	0.5A at 0.5VDC (TYP.) 0.5A at 0.8VDC (MAX.)		2A at 0.3VDC (TYP.) 2A at 0.6VDC (MAX.) 4A at 0.6VDC (TYP.) 4A at 1.2VDC (MAX.)		—

*1 When the output delay time is considered in the system design, the operation of the whole system should be reviewed.

*2 The total output current that flows through one connector should be 4A or less.

Common specifications

Item	Before replacement		After replacement		Cautions on replacement
	CC-Link IE Field Network remote I/O module		CC-Link IE TSN remote I/O module		
	NZ2GF12A42-16DTE		NZ2GN12A42-16DTE		
Cyclic transmission (RX/Ry)	Number of points used: 16		Number of points used: 16		—
Cyclic transmission (RWr/RWw)	Number of points used: 12		Number of points used: 12 (Default)		*1
Availability of connecting extension module	Available (only 1 module)		Not available		—
External interface	Communication part	M12 waterproof connector, X-cord		—	
	Module power supply part	7/8" waterproof connector		The connector type differs, so the connector for the power supply cable should be changed.	
	I/O part	M12 waterproof connector, A-cord		The connector type is not changed, but the alternative model does not support the one-touch type. A cable with a screw-type connector should be used.	

*1 Some remote register areas cannot be used. For details, refer to the following.

2.3 Comparison of Module Size

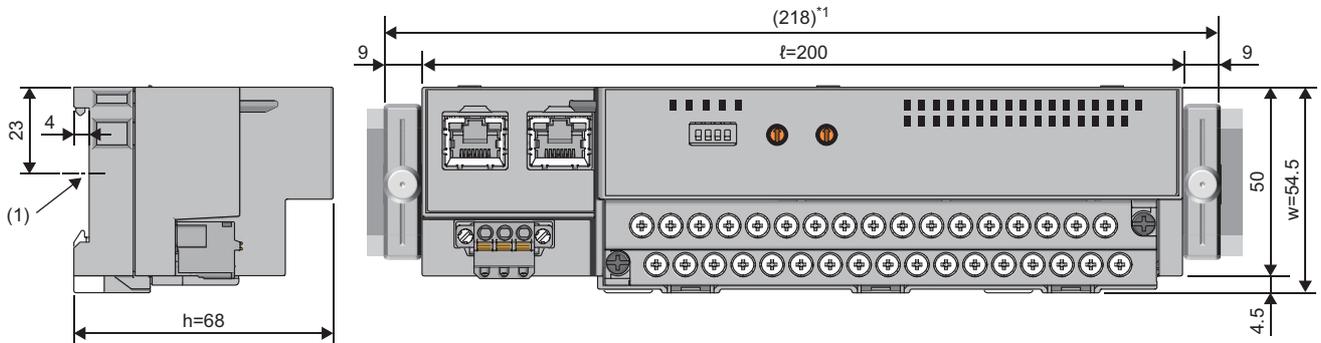
Module		Before replacement			After replacement		
		CC-Link IE Field Network remote I/O module			CC-Link IE TSN remote I/O module		
		Length (l) (mm) ^{*1}	Width (w) (mm)	Height (h) (mm)	Length (l) (mm)	Width (w) (mm)	Height (h) (mm)
DC input module	Spring clamp terminal block type	NZ2GF2S1-16D			NZ2GN2S1-16D		
		133 (151)	54.5	68	147	58	45.5
	Screw terminal block type	NZ2GF2B1-32D			NZ2GN2B1-32D		
		200 (218)	54.5	68	200	58	57
	Screw terminal block type	NZ2GF2B1N1-16D			NZ2GN2B1-16D		
		133 (151)	54.5	68	147	58	57
Sensor connector (e-CON) type	NZ2GFCE3N-32D			NZ2GNCE3-32D			
40-pin connector type (FCN)	NZ2GF12A4-16D			NZ2GNCF1-32D			
	163 (181)	54.5	68	179	58	38.9	
Waterproof/Dustproof type	NZ2GF12A4-16D, NZ2GF12A4-16DE			NZ2GN12A4-16D, NZ2GN12A4-16DE			
	38.5	60	235	37.5	63	238	
DC output module	Spring clamp terminal block type	NZ2GF2S1-16T, NZ2GF2S1-16TE			NZ2GN2S1-16T, NZ2GN2S1-16TE		
		133 (151)	54.5	68	147	58	45.5
	Screw terminal block type	NZ2GF2B1-32T, NZ2GF2B1-32TE			NZ2GN2B1-32T, NZ2GN2B1-32TE		
		200 (218)	54.5	68	200	58	57
	Screw terminal block type	NZ2GF2B1N1-16T, NZ2GF2B1N1-16TE			NZ2GN2B1-16T, NZ2GN2B1-16TE		
		133 (151)	54.5	68	147	58	57
40-pin connector type (FCN)	NZ2GF2CF1-32T			NZ2GNCF1-32T			
	163 (181)	54.5	68	179	58	38.9	
Waterproof/Dustproof type	NZ2GF12A2-16T, NZ2GF12A2-16TE			NZ2GN12A2-16T, NZ2GN12A2-16TE			
	38.5	60	235	37.5	63	238	
DC I/O module	Screw terminal block type	NZ2GF2B1-32DT, NZ2GF2B1-32DTE			NZ2GN2B1-32DT, NZ2GN2B1-32DTE		
		200 (218)	54.5	68	200	58	57
	Sensor connector (e-CON) type	NZ2GFCE3N-32DT			NZ2GNCE3-32DT		
		194 (212)	54.5	72.5	200	58	50.1
Waterproof/Dustproof type	NZ2GF12A42-16DT			NZ2GN12A42-16DT			
	38.5	60	235	37.5	63	238	

*1 The number in the parentheses is the dimension including the length of fixing brackets. When a CC-Link IE TSN remote I/O module is mounted, no fixing bracket is required.

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Dimensions example

- NZ2GF2B1-32D (CC-Link IE Field Network remote I/O module)

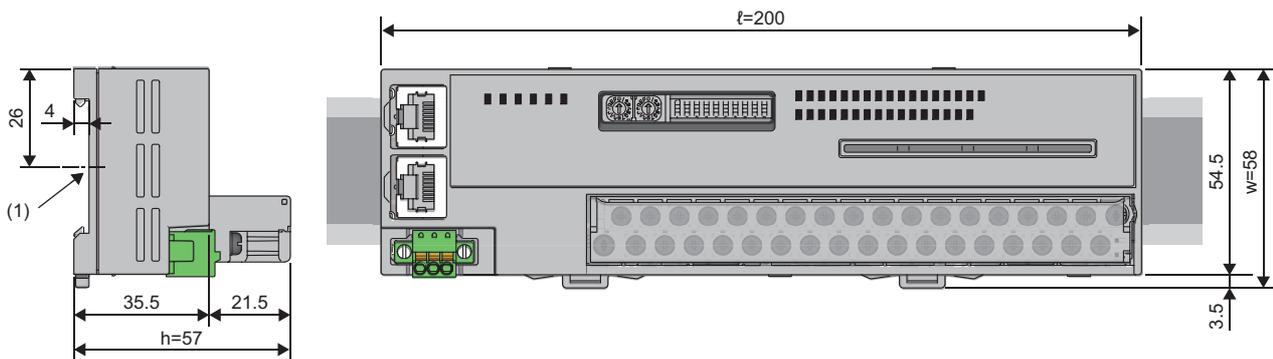


(1) Center of DIN rail

(Unit: mm)

*1 The dimension includes the length of fixing brackets.

- NZ2GN2B1-32D (CC-Link IE TSN remote I/O module)



(1) Center of DIN rail

(Unit: mm)

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2.4 Comparison of Applicable Solderless Terminal for Each Terminal Block

Module power supply terminal block

Spring clamp terminal block type, screw terminal block, 40-pin connector type (FCN)

The shape of module power supply terminal block for the CC-Link IE Field Network remote I/O module differs from that for the CC-Link IE TSN remote I/O module. When replacing, change the wiring.

Applicable solderless terminals differ as shown in the following table.

○: Available, —: Not available

Model	Applicable wire size	CC-Link IE Field Network remote I/O module	CC-Link IE TSN remote I/O module	Applicable crimping tool	Reference
TE0.5-8	0.3 to 0.5mm ²	○	○	NH-79A (Succeeding product of NH-79)	NICHIFU Co., Ltd.
TE0.5-10		○	○		
TE0.75-8	0.75mm ²	○	○		
TE0.75-10		○	○		
TE1.0-8	1.0mm ²	○	—		
TE1.0-10		○	—		
TE1.5-8	1.5mm ²	○	—		
TE1.5-10		○	—		
AI0.34-8TQ	0.34mm ²	○	—	CRIMPFOX6	PHOENIX CONTACT GmbH & Co. KG
AI0.34-10TQ		—	○		
AI0.5-8WH	0.5mm ²	○	—		
AI0.5-10WH		○	○		
AI0.75-8GY	0.75mm ²	○	—		
AI0.75-10GY		○	○		
AI1-8RD	1.0mm ²	○	—		
AI1-10RD		○	—		
AI1.5-8BK	1.5mm ²	○	—		
AI1.5-10BK		○	—		
A0.5-10	0.5mm ²	—	○		
A0.75-10	0.75mm ²	—	○		
A1.0-10	1.0mm ²	—	○		
A1.5-10	1.5mm ²	—	○		

Sensor connector (e-CON) type

There is no difference between the specifications of the module power supply terminal block for the CC-Link IE Field Network remote I/O module and those for the CC-Link IE TSN remote I/O module.

There is no restriction when replacement.

For details on applicable solderless terminals, refer to the manuals for each module used.

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I/O terminal block

Spring clamp terminal block type

○: Available, —: Not available

Model	Applicable wire size	CC-Link IE Field Network remote I/O module	CC-Link IE TSN remote I/O module	Applicable crimping tool	Reference
TE0.5-8	0.3 to 0.5mm ²	○	—	NH-79A (Succeeding product of NH-79)	NICHIFU Co., Ltd.
TE0.5-10		○	—		
TE0.75-8	0.75mm ²	○	—		
TE0.75-10		○	—		
TE1.0-8	1.0mm ²	○	—		
TE1.0-10		○	—		
TE1.5-8	1.5mm ²	○	—		
TE1.5-10		○	—		
A10.34-8TQ	0.34mm ²	○	—	CRIMPFOX6	PHOENIX CONTACT GmbH & Co. KG
A10.34-10TQ		—	○		
A10.5-8WH	0.5mm ²	○	—		
A10.5-10WH		○	○		
A10.75-8GY	0.75mm ²	○	—		
A10.75-10GY		○	○		
A11-8RD	1.0mm ²	○	—		
A11-10RD		○	—		
A11.5-8BK	1.5mm ²	○	—		
A11.5-10BK		○	—		
A0.5-10	0.5mm ²	—	○		
A0.75-10	0.75mm ²	—	○		
A1.0-10	1.0mm ²	—	○		
A1.5-10	1.5mm ²	—	○		

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Screw terminal block type

○: Available, —: Not available

Model	Applicable wire size	CC-Link IE Field Network remote I/O module	CC-Link IE TSN remote I/O module	Reference
RAA1.25-3	0.3 to 1.25mm ²	○	○	—
V2-MS3	1.25 to 2.0mm ²	○	○	J.S.T. Mfg. Co., Ltd.
TGV2-3N	1.25 to 2.0mm ²	○	○	NICHIFU Co., Ltd.
RAP2-3SL	1.25 to 2.0mm ²	○	—	Discontinued ^{*1} (Nippon Tanshi Co., Ltd.)

*1 The solderless terminal can be used even though the production has been discontinued.

Sensor connector (e-CON) type

There is no difference between the specifications of the module I/O terminal block for the CC-Link IE Field Network remote I/O module and those for the CC-Link IE TSN remote I/O module.

There is no restriction when replacement.

For details on applicable solderless terminals, refer to the manuals for each module used.

40-pin connector type (FCN)

There is no difference between the specifications of the module I/O terminal block for the CC-Link IE Field Network remote I/O module and those for the CC-Link IE TSN remote I/O module.

There is no restriction when replacement.

For details on applicable solderless terminals, refer to the manuals for each module used.

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2.5 Functions Comparison

The following table lists the functions that are restricted when the CC-Link IE Field Network remote I/O module is replaced with the CC-Link IE TSN remote I/O module (with the CC-Link IE Field Network remote I/O module compatibility function).

For functions other than the table below, refer to the manuals for each module used.

○: Available, —: Not available

No.	FUNCTIONS	Description	CC-Link IE Field Network remote I/O module	CC-Link IE TSN remote I/O module	Cautions on replacement
1	Extension module supporting function	The number of input points or output points can be increased by connecting an extension I/O module. This function can be used with an input module and an output module.	○	—	This function is not supported by the alternative model. However, the combinations of the main module and extension module listed in the Page 4 Extension module are operationally compatible.
2	Number of ON times integration function	The total number of ON times of each output point is counted with this function. The integration value remains even though the module is powered off.	○	○	The maximum value within the countable range differs.
3	Module power supply voltage drop detection function	Detects a voltage drop of the module power supply.	—	○	—
4	Power supply monitoring function (Only for the waterproof type)	This function monitors the power supply status of the module-and-sensor power supply and load power supply.	○	—	The following two functions will replace the function. <ul style="list-style-type: none"> • Module power supply voltage drop detection function • External power supply monitoring function
5	Short-circuit detection function (Only for the waterproof type)	This function detects a short-circuit in each of input ports and output channels.	○	—	This function is not supported by the alternative model.

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2.6 Comparison of Link Devices (RX, RY, RWr, RWw)

Remote I/O signals (RX, RY)

There are no differences in the specifications between the CC-Link IE Field Network remote I/O modules and the CC-Link IE TSN remote I/O modules (with the CC-Link IE Field Network remote I/O module compatibility function).

There are no restrictions or precautions for replacement.

Remote register (RWr, RWw)

The following tables list the differences between the CC-Link IE Field Network remote I/O modules and the CC-Link IE Field Network remote I/O modules (with the CC-Link IE Field Network compatibility function).

■ Other than the waterproof type

○: With devices, —: Without devices

No.	Device number	Name	CC-Link IE Field Network remote I/O module	CC-Link IE TSN remote I/O module (with the compatibility function)	Cautions on replacement
1	RWr1	Error code	○	○	The stored error code differs. For details, refer to the manual of each model.
2	RWr2	Warning code	○	○	The stored error code differs. For details, refer to the manual of each model.
3	RWr3.b11, RWr3.b12	CC-Link IE Field Network remote I/O module compatibility setting status	—	○	—

■ Waterproof type

○: With devices, —: Without devices

No.	Device number	Name	CC-Link IE Field Network remote I/O module	CC-Link IE TSN remote I/O module (with the compatibility function)	Cautions on replacement
1	RWr1	Error code	○	○	The stored error code differs. For details, refer to the manual of each model.
2	RWr2	Warning code	○	○	The stored error code differs. For details, refer to the manual of each model.
3	RWr3.b0	Power supply monitoring flag	○	○	This flag turns on only when an error occurs in the external power supply.
4	RWr3.b11, RWr3.b12	CC-Link IE Field Network remote I/O module compatibility setting status	—	○	—
5	RWr4	X input port status	○	—	This device is not supported by the alternative model.
6	RWr5	Y output channel status	○	—	This device is not supported by the alternative model.

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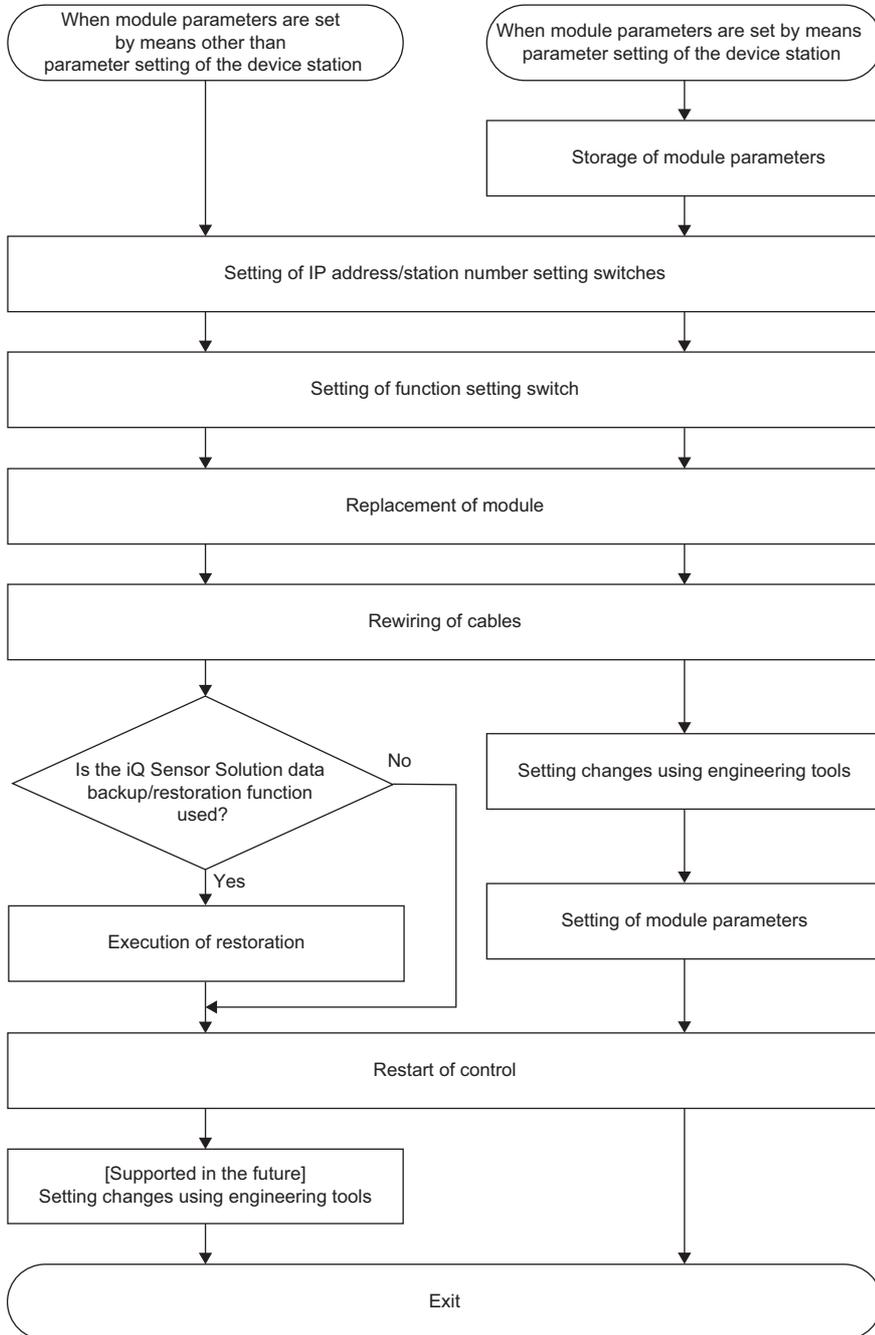
2.7 Comparison of Remote Buffer Memory

There are no differences in the specifications between the CC-Link IE Field Network remote I/O modules and the CC-Link IE TSN remote I/O modules (with the CC-Link IE Field Network remote I/O module compatibility function).

There are no restrictions or precautions for replacement.

3 PROCEDURE FOR REPLACING THE MODULE

The procedure for replacing the module is shown below.



3.1 Station Number Setting Using Station Number Setting Switches

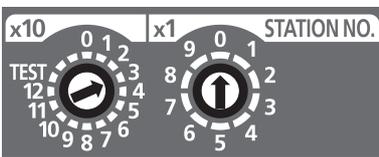
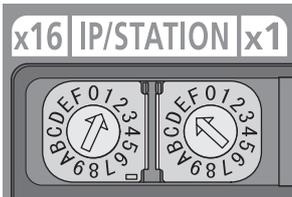
Comparison of station number setting switches

Set the station number using the station number setting switches on the front of the module.

For the CC-Link IE Field Network remote I/O module, the station number is set using the switches with decimal number. For the CC-Link IE TSN remote I/O module, however, the station number is set using the switches with hexadecimal number.

The setting value of the station number becomes valid when the module is powered on. Thus, set the station number when the module is powered off.

The following shows the setting method of the station number setting switch of the CC-Link IE Field Network remote I/O module and CC-Link IE TSN remote I/O module.

CC-Link IE Field Network remote I/O module	CC-Link IE TSN remote I/O module
<p>When 30 is set as the station number</p> <ul style="list-style-type: none"> The hundreds and tens places of the station number are set with x10. The ones place of the station number is set with x1. 	<p>When 30 is set as the station number</p> <p>Set the station number by combining x1 and x16 (hexadecimal).</p> <p>For how to set the switches corresponding to the decimal station number, refer to the following.</p> <p>➔ Page 34 How to set the station number switches for the CC-Link IE TSN remote I/O module</p> 

How to set the station number switches for the CC-Link IE TSN remote I/O module

Combinations of x1 and x16 (hexadecimal) are as follows.

Set a value between 1 and 120. When a value outside this range is set, an error occurs and the DATA LINK LED flashes.

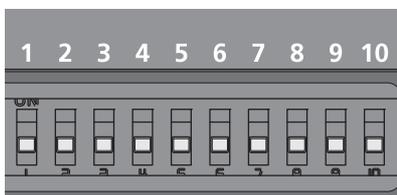
		x1															
		0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
x16	0	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	1	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	2	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
	3	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63
	4	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
	5	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95
	6	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111
	7	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127
	8	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143
	9	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159
	A	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175
	B	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191
	C	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207
	D	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223
	E	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239
	F	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255

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3.2 Function Setting Using Function Setting Switches

Set functions using the function setting switches on the front of the module.

Set the function setting switches of the CC-Link IE TSN remote I/O module as shown below.



No.	Switch name	Setting value	Function name	
1	Function setting switch 1	NETWORK	ON	Network setting function
2	Function setting switch 2	RESPONSE	OFF	—
3	Function setting switch 3			
4	Function setting switch 4			
5	Function setting switch 5			
6	Function setting switch 6	MODE	ON	CC-Link IE Field Network remote I/O module compatibility setting
7	Function setting switch 7			
8	Function setting switch 8	F LINK P1/P2	Same value as Function setting switch 2 of the current module ^{*1}	Fast link-up function
9	Function setting switch 9			
10	Function setting switch 10	LINK SPEED	Same value as Function setting switch 1 of the current module ^{*1}	I/O parameter automatic setting

*1 Set the switch to OFF if the current model does not support function setting switches.

3.3 Rewiring of Cables

After disconnecting the cables from the existing module, reconnect them to the new module.

For how to disconnect the cables, refer to the manuals for each module used.

4 REPLACEMENT PROCEDURE USING THE ENGINEERING TOOL

4.1 Network Configuration Setting

If the following should be executed on the "CC IE Field Configuration" window in the engineering tool, change the profile.

- Error history reading^{*1}
- Error history clear
- Error clear
- Device station parameter processing (read/write of module parameters)

*1 This processing can be executed via the CCIEF diagnostics. If the processing is executed via the CCIEF diagnostics, a profile change is not required.

The following table lists profiles that can be used after replacement.

CC-Link IE Field Network remote I/O module compatibility function setting	Name displayed on the "CC IE Field Configuration" window	
	Model	Example: NZ2GN2B1-32D
Enabled (Main module)	[Model name](M)	NZ2GN2B1-32D(M)
Enabled (Main module + Extension module)	[Model name](M+EX)	NZ2GN2B1-32D(M+EX)

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Ex.

The window before setting is shown below.

CC IE Field Configuration (Start I/O: 0000)

CC IE Field Configuration Edit View Tool Close with Discarding the Setting Close with Reflecting the Setting

Detect Now

Mode Setting: Online (Standard Mode) Assignment Method: Start/End Link Scan Time (Approx.): 0.72 ms

No.	Model Name	STA#	Station Type	RX/Ry Setting			RWw/RWr Setting			Refresh Device
				Points	Start	End	Points	Start	End	
0	Host Station	0	Master Station							
1	NZ2GF2S1-16D	1	Remote Device Station	16	0000	000F	20	0000	0013	
-	NZ2EX-16(DI)	-	-	16	0010	001F				
2	NZ2GF2S1-16D	2	Remote Device Station	16	0020	002F	4	0014	0017	
-	NZ2EX-16(DI)	-	-	16	0030	003F				

Operating procedure

1. Addition of the alternative module

Add the alternative module. (This example describes the replacement procedure using the NZ2GF2B1-32D. The replacement procedure is the same as that for CC-Link IE TSN remote I/O modules.)

CC IE Field Configuration (Start I/O: 0000)

CC IE Field Configuration Edit View Tool Close with Discarding the Setting Close with Reflecting the Setting

Detect Now

Mode Setting: Online (Standard Mode) Assignment Method: Start/End Link Scan Time (Approx.): 0.75 ms

No.	Model Name	STA#	Station Type	RX/Ry Setting			RWw/RWr Setting			Refresh Device
				Points	Start	End	Points	Start	End	
0	Host Station	0	Master Station							
1	NZ2GF2S1-16D	1	Remote Device Station	16	0000	000F	20	0000	0013	
-	NZ2EX-16(DI)	-	-	16	0010	001F				
2	NZ2GF2B1-32D	3	Intelligent Device Station	32	0040	005F	20	0018	002B	
3	NZ2GF2S1-16D	2	Remote Device Station	16	0020	002F	4	0014	0017	
-	NZ2EX-16(DI)	-	-	16	0030	003F				

2. Change of the station number

Change the station number. In the "RX/Ry Setting" and "RWw/RWr Setting", set the start number and end number to the values for the main module and extension modules to be replaced.

When the module to be replaced has no extension module, setting the value for the extension module is not required.

CC IE Field Configuration (Start I/O: 0000)

CC IE Field Configuration Edit View Tool Close with Discarding the Setting Close with Reflecting the Setting

Detect Now

Mode Setting: Online (Standard Mode) Assignment Method: Start/End Link Scan Time (Approx.): 0.75 ms

No.	Model Name	STA#	Station Type	RX/Ry Setting			RWw/RWr Setting			Refresh Device
				Points	Start	End	Points	Start	End	
0	Host Station	0	Master Station							
1	NZ2GF2S1-16D	1	Remote Device Station	16	0000	000F	20	0000	0013	
-	NZ2EX-16(DI)	-	-	16	0010	001F				
2	NZ2GF2B1-32D	1	Intelligent Device Station	32	0000	001F	20	0000	0013	
3	NZ2GF2S1-16D	2	Remote Device Station	16	0020	002F	4	0014	0017	
-	NZ2EX-16(DI)	-	-	16	0030	003F				

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3. Deletion of the station to be replaced

Delete the station to be replaced.

The screenshot shows the 'CC IE Field Configuration' window. At the top, there is a 'Detect Now' button and a menu bar with options: 'Edit', 'View', 'Tool', 'Close with Discarding the Setting', and 'Close with Reflecting the Setting'. Below the menu bar, there are settings for 'Mode Setting: Online (Standard Mode)', 'Assignment Method: Start/End', and 'Link Scan Time (Approx.): 0.72 ms'. The main area contains a table with the following data:

No.	Model Name	STA#	Station Type	RX/RX Setting			RWw/RWr Setting			Refresh Device
				Points	Start	End	Points	Start	End	
0	Host Station	0	Master Station							
1	NZ2GF2B1-32D	1	Intelligent Device Station	32	0000	001F	20	0000	0013	
2	NZ2GF2S1-16D	2	Remote Device Station	16	0020	002F	4	0014	0017	
-	NZ2EX-16(DI)	-	-	16	0030	003F				

4.2 Change of Programs

For the remote I/O signals (RX, RY) of the link device and the remote buffer memory areas, change of the program is not required.

Some remote register areas (RWw, RWr) have different specifications or unavailable, so program modifications may be required.

For details, refer to the following.

☞ Page 31 Comparison of Link Devices (RX, RY, RWw, RWr)

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REVISIONS

Version	Date of Issue	Revision
A	January 2026	First edition

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