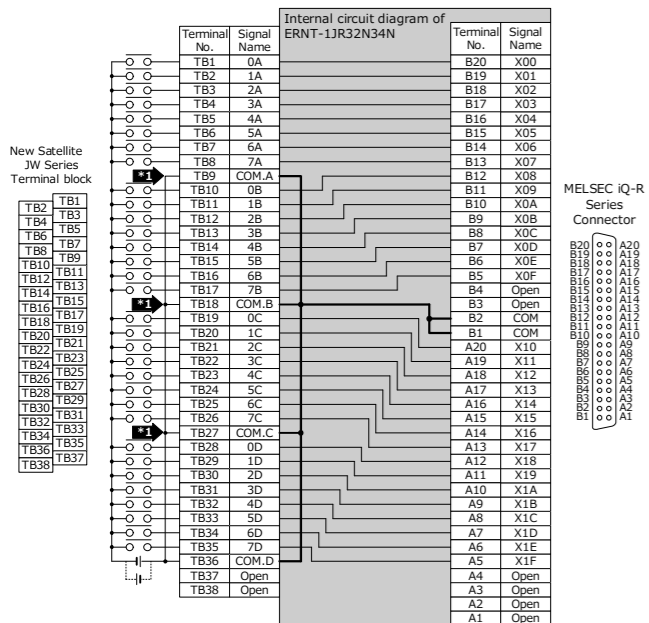




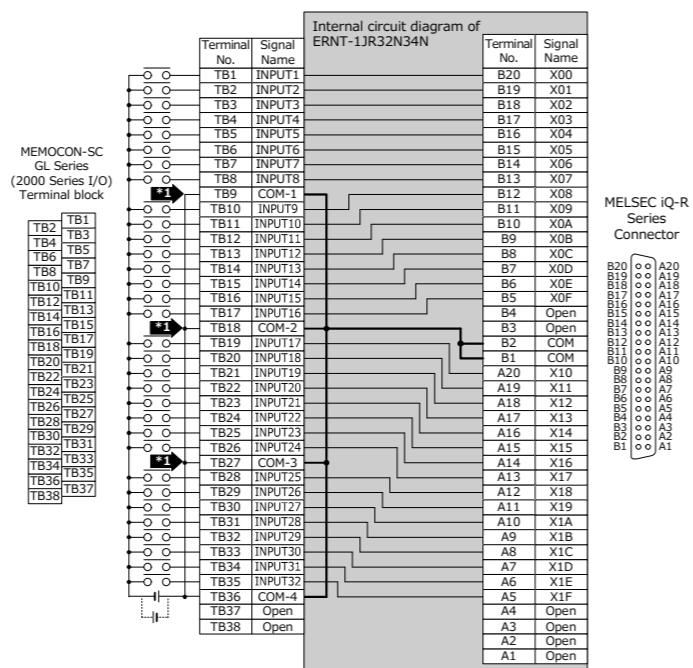
	New Satellite JW Series Module Model	MELSEC iQ-R Series Module Model
(1)	JW-32N	RX41C4 RX41C6HS RX71C4
	JW-34N	



**Precautions for wiring**

\*1 Because the switch concerned causes the number of points per common to change from 8 (four circuits) to 32, an alteration to the wiring is required if the commons on the existing modules have been used in separation from each other.

	MEMOCON-SC GL Series (2000 Series I/O)	MELSEC iQ-R Series Module Model
(2)	JAMSC-B2603	RX41C4 RX41C6HS RX71C4
	JAMSC-B2607	RX61C6HS RX71C4



**Precautions for wiring**

\*1 Because the switch concerned causes the number of points per common to change from 8 (four circuits) to 32, an alteration to the wiring is required if the commons on the existing modules have been used in separation from each other.

## 5. Mounting and Installation

### 5.1 Handling Precautions

- Before attempting to install the Unit or carry out the necessary wiring, make certain that the external power supply, used in the system, is shut off on all three phases. Failure to do so may result in electric shock or damage to the product.
- Do not touch live terminals. There is a danger of electric shock or malfunction.
- Do not modify the Conversion Adapter or take it apart. Doing so will cause failure, malfunction, personal injury, or fire.
- Do not touch the energized part of the Conversion Adaptor directly. Contact will cause malfunction or failure in the system.
- Fasten the Conversion Adapter and the Mounting Bracket securely with retaining screws, and tighten the screws by applying torque within specified limits. Loose screws can lead to the dropping of the Conversion Adapter, or Mounting Bracket, possibly causing breakage thereof. Excessive tightness of the screws can lead to breakage of the screws, Converter Adaptor, Mounting Bracket, or MELSEC iQ-R Series Module, possibly causing the dropping, shorting, and malfunction thereof.
- Use care to prevent foreign materials including cuttings and wiring debris from entering the Conversion Adapter or the MELSEC iQ-R Series Module. These will be cause for fire, failure or malfunction.
- Do not drop the Conversion Adapter and Mounting Bracket or do not give a strong impact to it. This will cause damage.
- Conversion Adapter is intended for indoor use only.

### 5.2 Use Precautions

Item	New Satellite JW Series MELSEC iQ-R Series	MEMOCON-SC GL Series (2000 Series I/O) MELSEC iQ-R Series
Module width dimension		
Depth		

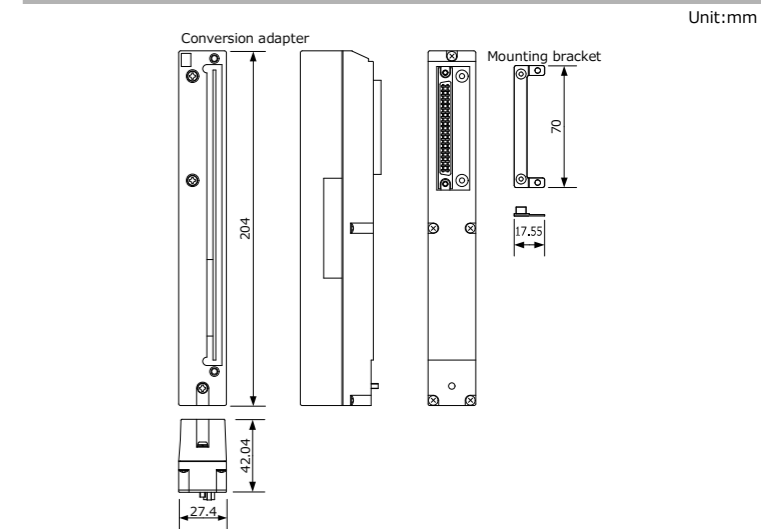
- Secure the Mounting Bracket to the MELSEC iQ-R Series Module using the Mounting Bracket fixing screws [M2.6 × 4 (conversion adapter accessory); two upper/lower locations].
  - Mount the Conversion Adapter onto the Mounting Bracket.
  - Secure the Conversion Adapter using the Conversion Adapter installation screws (M3 × 30; 2 locations).
- Precaution**
- Before tightening the installation screws, check that the Conversion Adapter has been securely installed on the MELSEC iQ-R Series Module. Tightening the screws in floating-off state or tilting state will damage the Conversion Adapter installation screws and the Mounting Bracket.
- Secure the Conversion Adapter using the Conversion Adapter bottom installation screw (M3 × 45; 1 location).
  - Secure the terminal block of the New Satellite JW Series or MEMOCON-SC GL Series (2000 Series I/O) to the Conversion Adapter with the terminal block installation screws (M3; two upper/lower locations).

### 6.2 Tightening Torque

Tighten the installation screws to the specified torque below. An inappropriate tightening torque could cause the product to fall or result in a short circuit, product failure or malfunction.

Screw Location	Tightening Torque Range
Conversion Adapter Anchor Base installation screw (M4×8)	1.39 to 1.89N·m
Mounting Bracket fixing screw (M2.6×4)	0.20 to 0.29N·m
Conversion Adapter installation screw (M3×30)	0.43 to 0.57N·m
Conversion Adapter bottom installation screw (M3×20)	0.5 to 0.6N·m
Terminal block installation screw (M3)	0.5 to 0.6N·m

## 7. External Dimensions



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<Specification Comparison Chart>

Specifications	New Satellite JW Series		MELSEC iQ-R Series		
	JW-32N (Positive/Negative common Shared Type)	JW-34N (Positive/Negative common Shared Type)	RX41C4 (Positive/Negative common Shared Type)	RX41C6HS (Positive/Negative common Shared Type)	RX71C4 (Positive/Negative common Shared Type)
Number of input points	32 points	32 points	32 points	32 points	32 points
Rated input voltage *1	12/24VDC (10 to 26.4VDC) 24VAC (18 to 26.4VAC) (50/60Hz)	12/24VDC (10 to 26.4VDC)	24VDC (20.4 to 28.8VDC)	24VDC (20.4 to 28.8VDC)	5VDC(4.25 to 6VDC) 12VDC(10.2 to 14.4VDC)
Rated input current	8.4mA TYP. (24VDC/VAC) 4mA TYP. (12VDC)	8.4mA TYP. (24VDC) 4mA TYP. (12VDC)	4.0mA TYP. (24VDC)	6.0mA TYP. (24VDC)	1.7mA TYP. (5VDC) 4.8mA TYP. (12VDC)
ON voltage/ON current	10V or higher/3mA or higher	10V or higher/3mA or higher	19V or higher/3mA or higher	19V or higher/4mA or higher	3.5V or higher/1mA or higher
OFF voltage/OFF current	4.7V or lower/1.5mA or lower	4.7V or lower/1.5mA or lower	6V or lower/1.0mA or lower	6V or lower/1.7mA or lower	1V or lower/0.1mA or lower
Input resistance	2.9kΩ TYP.	2.9kΩ TYP.	5.3kΩ	4kΩ	2.3kΩ
Response time	OFF→ON: 25ms or less ON→OFF: 25ms or less	0.5ms or less 1.5ms or less	0.1/0.2/0.4/0.6/ 1/5/10/20/70ms or less	0.1/0.2/0.4/0.6/1/5/10/20/70ms or less	0.2/0.3/0.5/0.6/1/5/10/20/70ms or less
Internal current consumption	Maximum 89mA n points at ON→(25+2n)mA	Maximum 89mA n points at ON→(25+2n)mA	150mA (TYP. All points ON)	150mA (TYP. All points ON)	140mA (TYP. all points ON)
Wiring method for common	8 points/common(4 circuits)	8 points/common(4 circuits)	32 points/common	32 points/common	32 points/common
External connection system	38-point terminal block	38-point terminal block	40-pin connector	40-pin connector	40-pin connector

Make sure the [ ] section of the above table meets the specification of the machines and equipment connected to the MELSEC iQ-R Series module.

\*1 When uses the rated input voltage of 24VAC, the voltage must be changed to 5VDC, 12VDC or 24VDC.

Specifications	MEMOCON-SC GL Series (2000 Series I/O)	MELSEC iQ-R Series		
	JAMSC-B2603 (Positive/Negative common Shared Type)	RX41C4 (Positive/Negative common Shared Type)	RX41C6HS (Positive/Negative common Shared Type)	RX71C4 (Positive/Negative common Shared Type)
Number of input points	32 points	32 points	32 points	32 points
Rated input voltage	12/24VDC (10.2 to 26.4VDC)	24VDC (20.4 to 28.8VDC)	24VDC (20.4 to 28.8VDC)	5VDC(4.25 to 6VDC) 12VDC(10.2 to 14.4VDC)
Rated input current	10mA (24VDC) 5mA (12VDC)	4.0mA TYP.(24VDC)	6.0mA TYP.(24VDC)	1.7mA TYP. (5VDC) 4.8mA TYP. (12VDC)
ON voltage/ON current	9V or higher	19V or higher/3mA or higher	19V or higher/4mA or higher	3.5V or higher/1mA or higher
OFF voltage/OFF current	6V or lower	6V or lower/1.0mA or lower	6V or lower/1.7mA or lower	1V or lower/0.1mA or lower
Input resistance	Approx. 2.4kΩ	5.3kΩ	4kΩ	2.3kΩ
Response time	OFF→ON: 7ms or less ON→OFF: 10ms or less	0.1/0.2/0.4/0.6/1/5/10/20/70ms or less	0.1/0.2/0.4/0.6/1/5/10/20/70ms or less	0.2/0.3/0.5/0.6/1/5/10/20/70ms or less
Internal current consumption	80mA (TYP All points ON)	150mA (TYP. All points ON)	150mA (TYP. All points ON)	140mA (TYP. all points ON)
Wiring method for common	8 points/common (4 circuits)	32 points/common	32 points/common	32 points/common
External connection system	38-point terminal block	40-pin connector	40-pin connector	40-pin connector

Make sure the [ ] section of the above table meets the specification of the machines and equipment connected to the MELSEC iQ-R Series module.

Specifications	MEMOCON-SC GL Series (2000 Series I/O)	MELSEC iQ-R Series	
	JAMSC-B2607 (Positive/Negative common Shared Type)	RX61C6HS (Positive/Negative common Shared Type)	RX71C4 (Positive/Negative common Shared Type)
Number of input points	32 points	32 points	32 points
Rated input voltage	5/12VDC (4.5 to 13.2VDC)	5VDC (4.25V to 6VDC)	5VDC(4.25 to 6VDC) 12VDC(10.2 to 14.4VDC)
Rated input current	4.0mA (5VDC), 11.0mA (12VDC)	6.0mA TYP.(5VDC)	1.7mA TYP. (5VDC), 4.8mA TYP. (12VDC)
ON voltage/ON current	3.5V or higher	3.5V or higher /3mA or higher	3.5V or higher/1mA or higher
OFF voltage/OFF current	1.0V or lower	1V or lower /1mA or lower	1V or lower/0.1mA or lower
Input resistance	Approx. 1.2kΩ	600Ω	2.3kΩ
Response time	OFF→ON: 0.5ms or less ON→OFF: 0.5ms or less	0.1/0.2/0.4/0.6/1/5/10/20/70ms or less	0.2/0.3/0.5/0.6/1/5/10/20/70ms or less
Internal current consumption	100mA (TYP All points ON)	150mA (TYP. all points ON)	140mA (TYP. all points ON)
Wiring method for common	8 points/common(4 circuits)	32 points/common	32 points/common
External connection system	38-point terminal block	40-pin connector	40-pin connector

Make sure the [ ] section of the above table meets the specification of the machines and equipment connected to the MELSEC iQ-R Series module.

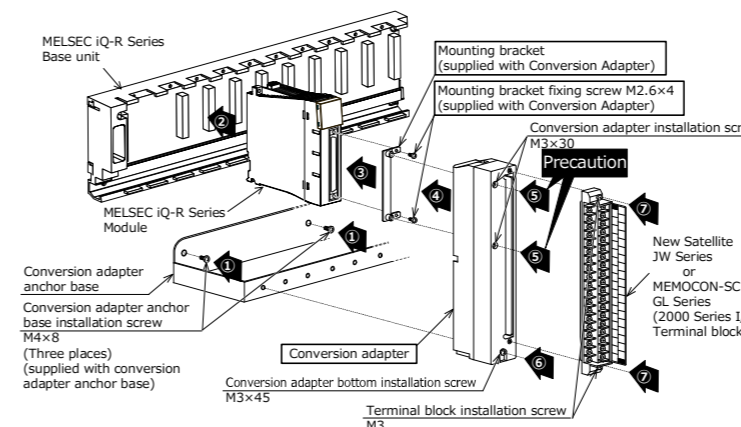
### 5.3 Installation Environment

Refer to "Safety Guidelines" for MELSEC iQ-R Series Modules.

### 5.4 Wiring module power source

External connection to 24VDC power supply circuit of Gateway module must be powered from approved source that meets of SELV/PELV, Class 2, and limited energy according to UL 61010-2-201.

## 6. Part Names and Installation Method



### 6.1 Installation Method

- Secure the Conversion Adapter Anchor Base to the Base Adapter or control panel using the Conversion Adapter Anchor Base installation screws (M4 × 8) provided as an accessory. (2 locations at both sides, 1 location at the center)
- Mount the MELSEC iQ-R Series module to the MELSEC iQ-R Series base unit.

## Product Warranty Details

Please confirm the following product warranty details prior to product use.

### Gratis Warranty Terms and Gratis Warranty Range

If any fault or defect (hereinafter referred to as "Failure") attributable to Mitsubishi Electric Engineering Company Limited (hereinafter referred to as "MEE") should occur within the gratis warranty period, MEE shall repair the product free of charge via the distributor from whom you made your purchase.

### Gratis Warranty Period

The gratis warranty period of this product shall be one (1) year from the date of purchase or delivery to the designated place. Note that after manufacture and shipment from MEE, the maximum distribution period shall be six (6) months, and the gratis warranty period after manufacturing shall be limited to eighteen (18) months. In addition, the gratis warranty period for repaired products shall not exceed the gratis warranty period established prior to repair.

### Gratis Warranty Range

The gratis warranty range shall be limited to normal use based on the usage conditions, methods and environment, etc., defined by the terms and precautions, etc., given in the instruction manual, user's manual and caution labels on the product.

### Warranty Period after Discontinuation of Production

(1) MEE shall offer product repair services (fee applied) for seven (7) years after production of the product has been discontinued. Discontinuation of production shall be reported via distributors.

(2) Product supply (including spare parts) is not possible after production has been discontinued.

### Exclusion of Opportunity Loss and Secondary Loss from Warranty Liability

Regardless of the gratis warranty period, MEE shall not be liable for compensation for damages arising from causes not attributable to MEE, opportunity losses or lost profits incurred by the user due to Failures of MEE products, damages or secondary damages arising from special circumstances, whether foreseen or unforeseen by MEE, compensation for accidents, compensation for damages to products other than MEE products, or compensation for other work carried out by the user.

### Changes in Product Specifications

The specifications given in the catalogs, manuals and technical documents are subject to change without notice. This document is a new publication, effective November 2018. Specifications are subject to change without notice.