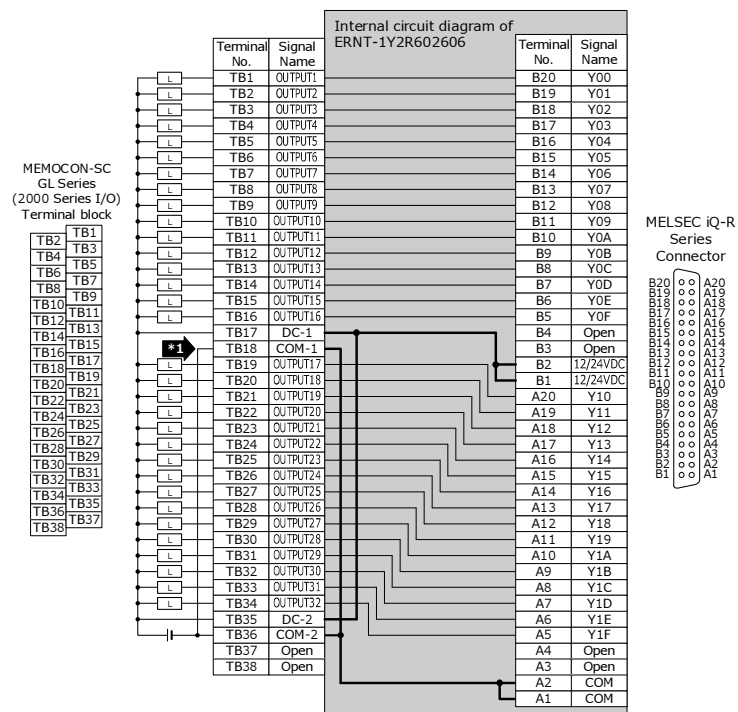




(1) In the case of JAMSC-B2602A / JAMSC-B2606 → RY41NT2P



**Precautions for wiring**

\*1 Because the switch concerned causes the number of points per common to change from 16 (two 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.

<Specification Comparison Chart>

Specifications	MEMOCON-SC GL Series (2000 Series I/O)		MELSEC iQ-R Series
	JAMSC-B2602A (Sink type)	JAMSC-B2606 (Sink type)	RY41NT2P (Sink type)
Number of output points	32 points	32 points	32 points
Rated load voltage	12/24VDC (10.2 to 26.4VDC)	5/12VDC (4.5 to 13.2VDC)	12/24VDC (10.2 to 28.8VDC)
Maximum load current	0.3A/circuit 0.6A/4 circuits	20mA/circuit 640mA/32 circuits	0.2A/point Pilot Duty 2A/common
Maximum inrush current	1A(10ms)	300mA(10ms)	Current is to be limited by the overload protection function.
Leakage current at OFF	0.2mA or lower	0.2mA or lower	0.1mA or lower
Maximum voltage drop at ON	1.5V or lower (load current 0.3A)	0.3V or lower (load current 20mA)	0.2VDC (TYP.) 0.2A 0.3VDC (MAX.) 0.2A
Response time	OFF→ON	1ms or less	0.5ms or less
	ON→OFF	1ms or less	1ms or less (rated load, resistive load)
Surge suppressor	None	None	Zener diode
Fuse	Two 4A fuses (1 fuse/common)	None	None
Internal current consumption	V <sub>cc</sub> 1mA TYP. (All points ON) V <sub>o</sub> 250mA TYP. (All points ON)	V <sub>cc</sub> 1mA TYP. (All points ON) V <sub>o</sub> 320mA TYP. (All points ON)	180mA (TYP. All point ON)
Wiring method for common	16 points/common (2 circuits)	16 points/common (2 circuits)	32 points/common
External connection system	38-point terminal block	38-point terminal block	40-pin connector

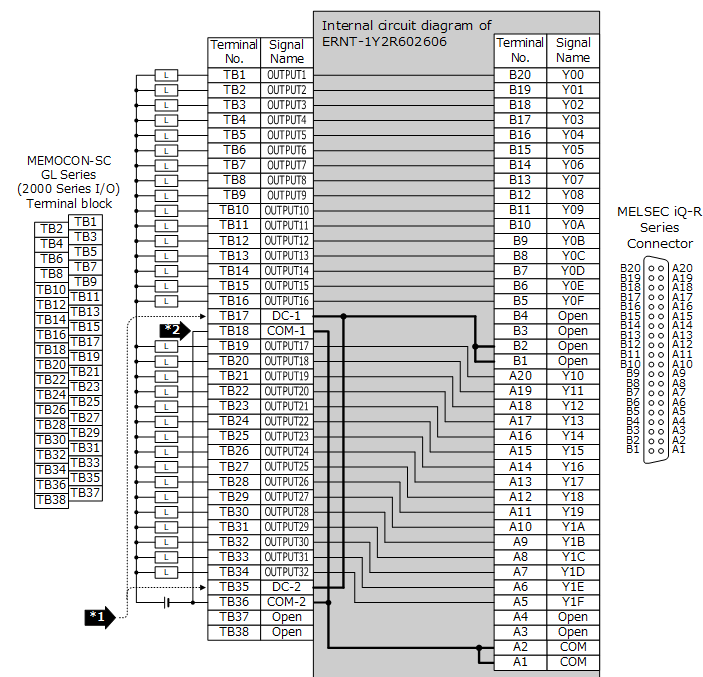
Make sure the [ ] section of the above table meets the specification of the machines and equipment connected to the MELSEC iQ-R Series module.

## 5. 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 Adapter 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 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.

(2) In the case of JAMSC-B2602A / JAMSC-B2606 → RY41NT2H



**Precautions for wiring**

\*1 Be certain that MEMOCON-SC GL Series-side Terminal Nos. TB17 and TB35 are left idle (in an unconnected state).

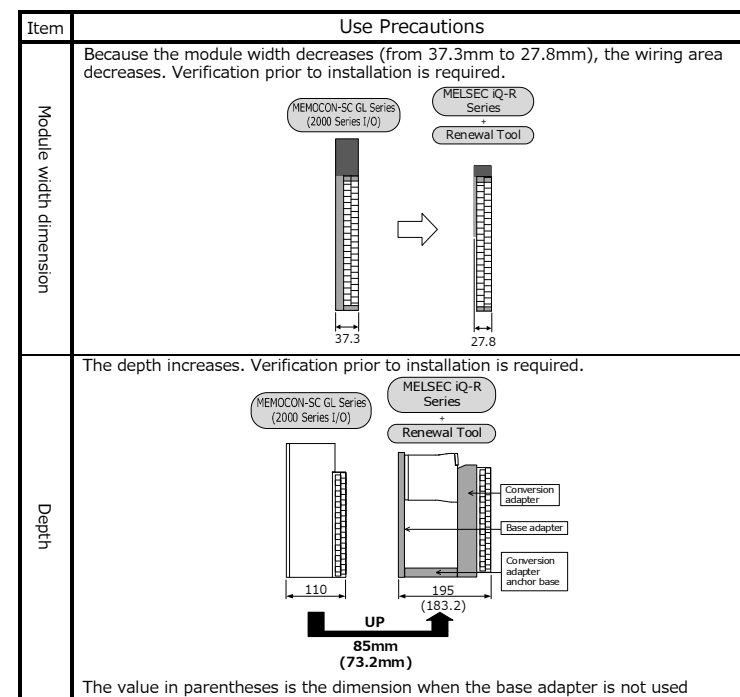
\*2 Because the switch concerned causes the number of points per common to change from 16 (two circuits) to 32, an alteration to the wiring is required if the commons on the existing modules have been used in separation from each other.

<Specification Comparison Chart>

Specifications	MEMOCON-SC GL Series (2000 Series I/O)			MELSEC iQ-R Series
	JAMSC-B2602A (Sink type)	JAMSC-B2606 (Sink type)	RY41NT2H (Sink type)	RY41NT2H (Sink type)
Number of output points	32 points	32 points	32 points	32 points
Rated load voltage	12/24VDC (10.2 to 26.4VDC)	5/12VDC (4.5 to 13.2VDC)	5/12/24VDC (4.25 to 28.8VDC)	5/12/24VDC (4.25 to 28.8VDC)
Maximum load current	0.3A/point 0.6A/4 points	20mA/point 640mA/32 points	0.2A/point 2A/common	0.2A/point 2A/common
Maximum inrush current	1A(10ms)	300mA(10ms)	0.7A 10ms or lower	0.7A 10ms or lower
Leakage current at OFF	0.2mA or lower	0.2mA or lower	0.1mA or lower	0.1mA or lower
Maximum voltage drop at ON	1.5V or lower (load current 0.3A)	0.3V or lower (load current 20mA)	0.1VDC (TYP.) 0.2A 0.2VDC (MAX.) 0.2A	0.1VDC (TYP.) 0.2A 0.2VDC (MAX.) 0.2A
Response time	OFF→ON	1ms or less	1ms or less	1μs or less
	ON→OFF	1ms or less	1ms or less	2μs or less (rated load, resistive load)
Surge suppressor	None	None	Zener diode	Zener diode
Fuse	Two 4A fuses (1 fuse/common)	None	None	None
Internal current consumption	V <sub>cc</sub> 1mA TYP. (All points ON) V <sub>o</sub> 250mA TYP. (All points ON)	V <sub>cc</sub> 1mA TYP. (All points ON) V <sub>o</sub> 320mA TYP. (All points ON)	420mA (TYP. All point ON)	420mA (TYP. All point ON)
Wiring method for common	16 points/common (2 circuits)	16 points/common (2 circuits)	32 points/common	32 points/common
External connection system	38-point terminal block	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.

### 5.2 Use Precautions



The value in parentheses is the dimension when the base adapter is not used

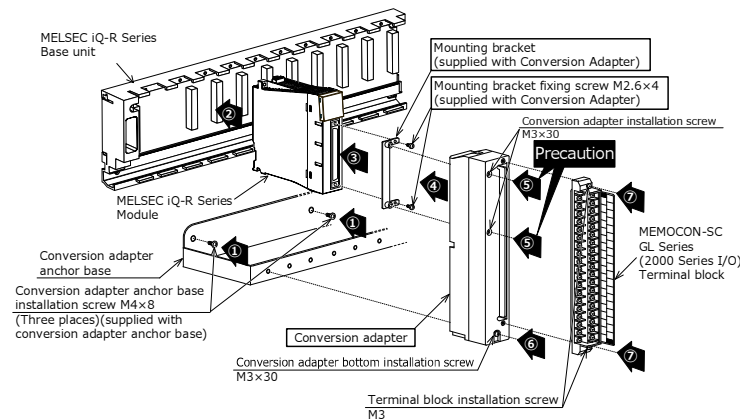
### 5.3 Installation Environment

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

### 5.4 Wiring module power source

External connection to 24VDC power supply circuit of Conversion Adapter 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

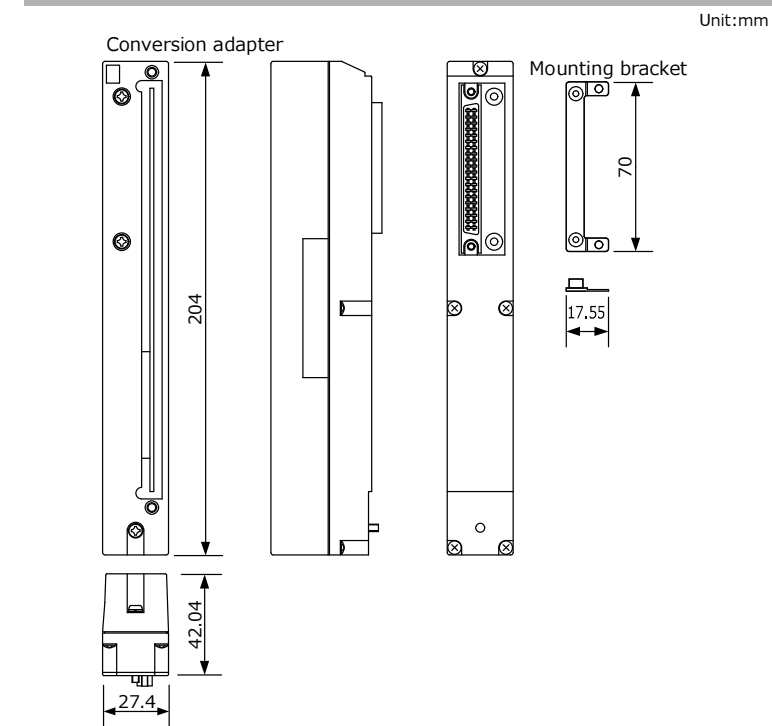
- Secure the Conversion Adapter Anchor Base to the Base Adapter or control panel using the Conversion Adapter Anchor Base installation screws (M4 × 8) provided as an accessory. (2 locations at both sides, 1 location at the center)
  - Mount the MELSEC iQ-R Series module to the MELSEC iQ-R Series base unit.
  - 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 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 × 30; 1 location).
  - Secure the terminal block of the 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 (M3×30)	0.5 to 0.6N·m
Terminal block installation screw (M3)	0.5 to 0.6N·m

## 7. External Dimensions



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## 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

- 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.
- 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.