General Specifications

ARM15A, ARM55□,
ARS15B, ARS15M, ARS55M
Relay Boards (for FIO)

CENTUM VP

GS 33K50H60-50E

[Release 5]

■ GENERAL

This document describes the specifications of relay board used in FIO subsystem of CENTUM VP. Relay input/output boards are connected in between digital input/output modules (for FIO) and field devices. Relay input boards receive contact signals or voltage input signals of field devices. Relay output boards receive output signals of the digital output module and amplify by the relay, and then output to field devices. These relay boards support dual-redundant digital input/output modules (for FIO).

■ STANDARD SPECIFICATIONS

● Relay Boards

Models	Descriptions	Contact Points	Terminals	Signal Cables	Connectable Digital I/O Modules	
					Modules	Terminal Blocks
ARM15A	Mechanical Relay Board	32-point	M4 screws	AKB331 (for 32-point)	ADV151	ATD5A
				AKB337 (for 64-point)	ADV161	-
ARM55D		32-point	M4 screws	AKB331 (for 32-point)	ADV551	ATD5A
				AKB337 (for 64-point)	ADV561	-
ARM55W		32-point	M4 screws	AKB331 (for 32-point)	ADV551	ATD5A
				AKB337 (for 64-point)	ADV561	-
ARM55T		32-point	M4 screws	AKB331 (for 32-point)	ADV551	ATD5A
				AKB337 (for 64-point)	ADV561	-
ARM55C		32-point	M3.5 screws (M4 in power input part)	AKB331 (for 32-point)	ADV551	ATD5A
				AKB337 (for 64-point)	ADV561	-
ARS15B-5 (48 V DC) ARS15B-6 (110 V DC)	Solid State Relay Board	32-point	M4 screws	AKB331 (for 32-point)	ADV151	ATD5A
				AKB337 (for 64-point)	ADV161	-
ARS15M-1 (100 V AC) ARS15M-2 (220 V AC) ARS15M-3 (10 - 30 V DC)		32-point	Pressure clamp terminals	AKB331 (for 32-point)	ADV151	ATD5A
				AKB337 (for 64-point)	ADV161	-
ARS55M-1 (100 V AC) ARS55M-2 (220 V AC) ARS55M-3 (5 - 60 V DC)		32-point	Pressure clamp terminals	AKB331 (for 32-point)	ADV551	ATD5A
				AKB337 (for 64-point)	ADV561	-

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● Relay Boards Detail Specifications

Mechanical Relay Boards (Contact Input)

Model	ARM15A
Usage	Mechanical Relay Contact Input (Single / Dual-redundant)
Contact Points	32-point
Terminals for Field Device Connection	M4 screws
Modules	ADV151 (DI: 32-point) + ATD5A (Terminal block) ADV161 (DI: 64-point) (*1)
Signal Cables	AKB331 (for 32-point) AKB337 (for 64-point)
Contact Input Signal	ON signal: 150 Ω or less OFF signal: At least 200 kΩ
External Contact Rating (Minimum Load)	24 V DC, 13 mA (*3)
Power Supply Voltage and Current Consumption of Internal Circuit (require external power supply)	24 V DC Max. 0.32 A
Power Supply for Field Device (require external power supply)	Dual-line (supply power per 16-point) 24 V DC: Max. 0.3 A per one line
Insulation Resistance	At least 10 MΩ (500 V DC)
Withstanding Voltage	Between field device terminals and cases: 1.5 kV Between 24 V power terminals and cases: 500 V Between 24 V power terminals and field device terminals: 1.5 kV
Ambient Temperature and Humidity	0 to 50 °C, 10 to 90 %RH
Standards	EMC standards [CE Marking], [C-Tick Marking], [KC Marking] (*2)
Size	W: 482.6 mm x H: 132.5 mm (3U)
Weight	2.2 kg

*1: Two sets of relay board (ARM15A) and two sets of signal cable (AKB337) are required for one ADV161.
*2: ARM15A is out of scope of the Safety Standards.
*3: It is voltage/current that ARM15A applies to the external contact power supply.

Mechanical Relay Boards (Contact Output)

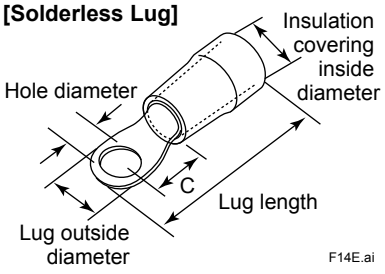
Models	ARM55D	ARM55W ARM55T (with switch)	ARM55C
Usage	Mechanical Relay Dry Contact Output (“a” contact (NO)) (Single / Dual-redundant)	Mechanical Relay Wet Contact Output (Single / Dual-redundant) AUTO/OFF/ON switch (only for ARM55T)	Mechanical Relay Dry Contack Output (“a” contact or “b” contact (NO or NC)) (Single / Dual-redun or dant) (*6)
Contact Points	32-point	32-point	32-point
Terminals for Field Device Connection	M4 screws	M4 screws	M3.5 screws (*5) (M4 in power input part)
Modules	ADV551 (DO: 32-point) + ATD5A (Terminal block) ADV561 (DO: 64-point) (*1)	ADV551 (DO: 32-point) + ATD5A (Terminal block) ADV561 (DO: 64-point) (*1)	ADV551 (DO: 32-point) + ATD5A (Terminal block) ADV561 (DO: 64-point) (*1)
Signal Cables	AKB331 (for 32-point) AKB337 (for 64-point)	AKB331 (for 32-point) AKB337 (for 64-point)	AKB331 (for 32-point) AKB337 (for 64-point)
Maximum Load (*2)	250 V AC: 2 A per point 30 V DC: 2 A per point 125 V DC: 0.1 A per point (*3)	250 V AC: 0.6 A per point 30 V DC: 0.6 A per point 125 V DC: 0.1 A per point (*3)	30 V DC: 1.5 A per point
Minimum Load	5 V, 10 mA	5 V, 10 mA	5 V, 10 mA
Power Supply Voltage and Current Consumption of Internal Circuit (require external power supply)	24 V DC Max. 0.65 A	24 V DC Max. 0.65 A	24 V DC Max. 0.85 A
Power Supply for Field Device (require external power supply)	-	Dual-line (supply power per 16-point) 250 V AC: Max. 9.6 A 30 V DC: Max. 9.6 A 125 V DC: Max. 1.6 A	-
Insulation Resistance	At least 10 MΩ (500 V DC)	At least 10 MΩ (500 V DC)	At least 10 MΩ (500 V DC)
Withstanding Voltage	Between field device terminals and cases: 2 kV Between 24 V power terminals and cases: 500 V Between 24 V power terminals and field device terminals: 2 kV	Between field device terminals and cases: 2 kV Between 24 V power terminals and cases: 500 V Between 24 V power terminals and field device terminals: 2 kV	Between field device terminals and cases: 2 kV Between 24 V power terminals and cases: 500 V Between 24 V power terminals and field device terminals: 2 kV
Ambient Temperature and Humidity	0 to 50 °C, 10 to 90 %RH	0 to 50 °C, 10 to 90 %RH	0 to 50 °C, 10 to 90 %RH
Standards	Safety Standard [CE Marking], [CSA] (*3) EMC standards [CE Marking], [C-Tick Marking], [KC Marking]	Safety Standard [CE Marking], [CSA] (*3) EMC standards [CE Marking], [C-Tick Marking], [KC Marking]	EMC standards [CE Marking], [C-Tick Marking], [KC Marking] (*4)
Size	W: 482.6 mm x H: 132.5 mm (3U)	W: 482.6 mm x H: 177 mm (4U)	W: 482.6 mm x H: 132.5 mm (3U)
Weight	2.2 kg	2.6 kg	2.2 kg

*1: Two sets of relay board (ARM55D, ARM55W, ARM55T, or ARM55C) and two sets of signal cable (AKB337) are required for one ADV561.
*2: For inductive loads, connect a spark killer (CR network for AC; diode for DC) in parallel with loads.
*3: For DC, 30 V or less is the requirement for the Safety Standard.
*4: ARM55C is out of scope of the Safety Standards.
*5: The applicable size of solderless lug is described below.

[Solderless Lug Dimensions]

Nominal cross sectional area (mm^2)	Screw used (mm)	Hole diameter (mm)	Lug outside diameter (mm)	Lug length (mm)	Insulation covering inside diameter (mm)	Dimension "C" (mm)
1.25	3.5	3.7 or more	6.8 or less	Approx. 21	3.6 or more	4.0 or more
2.0	3.5	3.7 or more	6.8 or less	Approx. 21	4.3 or more	4.0 or more

[Solderless Lug]



*6: Select either “a” contact or “b” contact.

Solid State Relay Boards (Contact Input)

Models	ARS15B-5 (48 V DC), ARS15B-6 (110 V DC)
Usage	Solid State Relay Contact Input (Single / Dual-redundant)
Contact Points	32-point
Terminals for Field Device Connection	M4 screws
Modules	ADV151 (DI: 32-point) + ATD5A (Terminal block) ADV161 (DI: 64-point) (*1)
Signal Cables	AKB331 (for 32-point) AKB337 (for 64-point)
Contact Input Signal	ON signal: 200 Ω or less OFF signal: At least 200 kΩ
External Contact Rating	ARS15B-5 (48 V DC): At least 60 V DC, 20 mA ARS15B-6 (110 V DC): At least 140 V DC, 20 mA
Power Supply Voltage and Current Consumption of Internal Circuit (require external power supply)	24 V DC Max. 0.32 A
Power Supply for Field Device (require external power supply)	Dual-line (supply power per 32-point) ARS15B-5 (48 V DC): 48 V DC; Max. 0.5 A per one line ARS15B-6 (110 V DC): 110 V DC; Max. 0.4 A per one line
Insulation Resistance	At least 10 MΩ (500 V DC)
Withstanding Voltage	Between field device terminals and cases: 2 kV Between 24 V power terminals and cases: 500 V Between 24 V power terminals and field device terminals: 2 kV
Ambient Temperature and Humidity	0 to 50 °C, 10 to 90 %RH
Standards	ARS15B-5 (48 V DC) (*2) : EMC standards [CE Marking], [C-Tick Marking], [KC Marking] ARS15B-6 (110 V DC): Safety standard [CSA], EMC standards [C-Tick Marking], [KC Marking]
Size	W: 482.6 mm x H: 132.5 mm (3U)
Weight	2.5 kg

*1: Two sets of relay board (ARS15B-5, or ARS15B-6) and two sets of signal cable (AKB337) are required for one ADV161.
*2: ARS15B-5 is out of scope of the Safety Standards.

Solid State Relay Boards (Voltage Input)

Models	ARS15M-1 (100 V AC), ARS15M-2 (220 V AC), ARS15M-3 (10 - 30 V DC)
Usage	Solid State Relay Voltage Input, Module type (Single / Dual-redundant)
Contact Points	32-point
Terminals for Field Device Connection	Pressure clamp terminals Cable specifications: see the table of terminal treatment for the pressure clamp terminal signal line and power line.
Modules	ADV151 (DI: 32-point) + ATD5A (Terminal block) ADV161 (DI: 64-point) (*1)
Signal Cables	AKB331 (for 32-point) AKB337 (for 64-point)
Contact Input Signal	ARS15M-1 (100 V AC) ON signal: 90 to 140 V AC OFF signal: 45 V AC or less ARS15M-2 (220 V AC) ON signal: 180 to 250 V AC OFF signal: 45 V AC or less ARS15M-3 (10 - 30 V DC) ON signal: 10 to 30 V DC OFF signal: 1 V DC or less
External Contact Rating	-
Power Supply Voltage and Current Consumption of Internal Circuit (require external power supply)	24 V DC Max. 1.0 A
Power Supply for Field Device	-
Insulation Resistance	At least 10 MΩ (500 V DC)
Withstanding Voltage	Between 24 V power terminals and field device terminals: 2 kV
Ambient Temperature and Humidity	0 to 50 °C, 10 to 90 %RH
Standards	ARS15M-1 (110 V AC): Safety standard [CSA], EMC standards [C-Tick Marking], [KC Marking] ARS15M-2 (220 V AC): Safety standard [CSA], EMC standards [C-Tick Marking], [KC Marking] ARS15M-3 (10 - 30 V DC): Safety standard [CE Marking], [CSA], EMC standards [CE Marking], [C-Tick Marking], [KC Marking]
Size	W: 436 mm x H: 125.4 mm
Weight	3.0 kg

*1: Two sets of relay board (ARS15M-1, ARS15M-2, or ARS15M-3) and two sets of signal cable (AKB337) are required for one ADV161.

Solid State Relay Boards (Voltage Output)

Models	ARS55M-1 (100 V AC)	ARS55M-2 (220 V AC)	ARS55M-3 (5 - 60 V DC)
Usage	Solid State Relay TRIAC Output, Transistor output (Single / Dual-redundant)		
Contact Points	32-point		
Terminals for Field Device Connection	Pressure clamp terminals Cable specifications: see the table of terminal treatment for the pressure clamp terminal signal line and power line.		
Modules	ADV551 (DO: 32-point) + ATD5A (Terminal block) ADV561 (DO: 64-point) (*1)		
Signal Cables	AKB331 (for 32-point) AKB337 (for 64-point)		
Output Voltage/Current Range (*2)	24 to 140 V AC 30 mA to 2.5 A (Ambient temperature is under 20 °C) 30 mA to 2 A (at 20 to 35 °C) 30 mA to 1.5 A (at 35 to 40 °C) 30 mA to 1.3 A (at 40 to 50 °C) Inductive load must be 1.5 A or less, even when ambient temperature is under 35 °C.	24 to 250 V AC 30 mA to 2.5 A (Ambient temperature is under 20 °C) 30 mA to 2 A (at 20 to 35 °C) 30 mA to 1.5 A (at 35 to 40 °C) 30 mA to 1.3 A (at 40 to 50 °C) Inductive load must be 1.5 A or less, even when ambient temperature is under 35 °C.	5 to 60 V DC 20 mA to 2.5 A (Ambient temperature is under 20 °C) 20 mA to 2 A (at 20 to 35 °C) 20 mA to 1.3 A (at 35 to 50 °C) Inductive load must be 1.5 A or less.
Power Supply Voltage and Current Consumption of Internal Circuit (require external power supply)	24 V DC Max. 0.9 A		
Power Supply for Field Device	-		
Insulation Resistance	At least 10 MΩ (500 V DC)		
Withstanding Voltage	Between 24 V power terminals and field device terminals: 2 kV		
Ambient Temperature and Humidity	0 to 50 °C, 10 to 90 %RH		
Standards	Safety standard [CSA], EMC standards [C-Tick Marking], [KC Marking]		
Size	W: 436 mm x H: 125.4 mm		
Weight	3.0 kg		

*1: Two sets of relay board (ARS55M-1, ARS55M-2, or ARS55M-3) and two sets of signal cable (AKB337) are required for one ADV561.
*2: For inductive loads, connect a spark killer (CR network for AC; diode for DC) in parallel with loads.

Table: Terminal Treatment for Pressure Clamp Terminal Signal Line

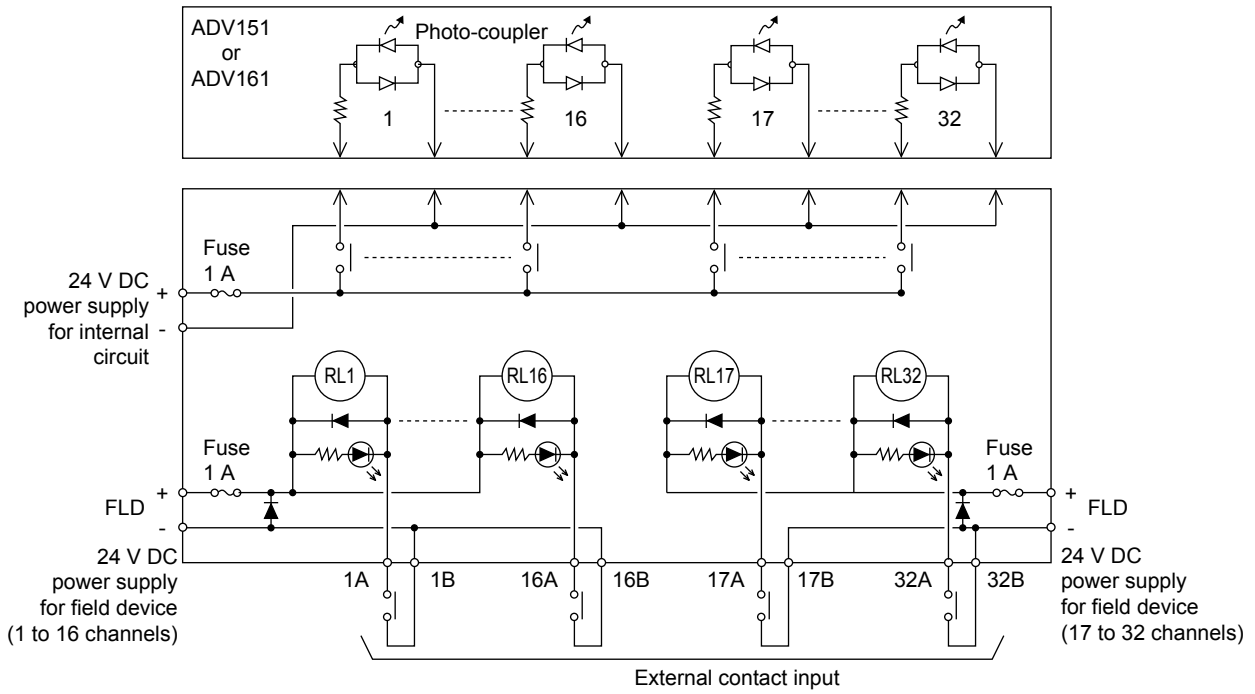
	Cable Thickness (mm^2)	Peel-off Length (mm)	Inserting Part of Sleeve (mm)
Without Sleeves	0.5 to 2 (AWG20 to 14)	8	–
With Sleeves	0.5 to 2 (AWG20 to 14)	8	8

Table: Terminal Treatment for Pressure Clamp Terminal Power Line

	Cable Thickness (mm^2)	Peel-off Length (mm)	Inserting Part of Sleeve (mm)
Without Sleeves	0.5 to 2 (AWG20 to 14)	9	–
With Sleeves	0.5 to 1.5 (AWG20 to 16)	9	8

● Relay Input/Output Board Circuit Diagram

ARM15A



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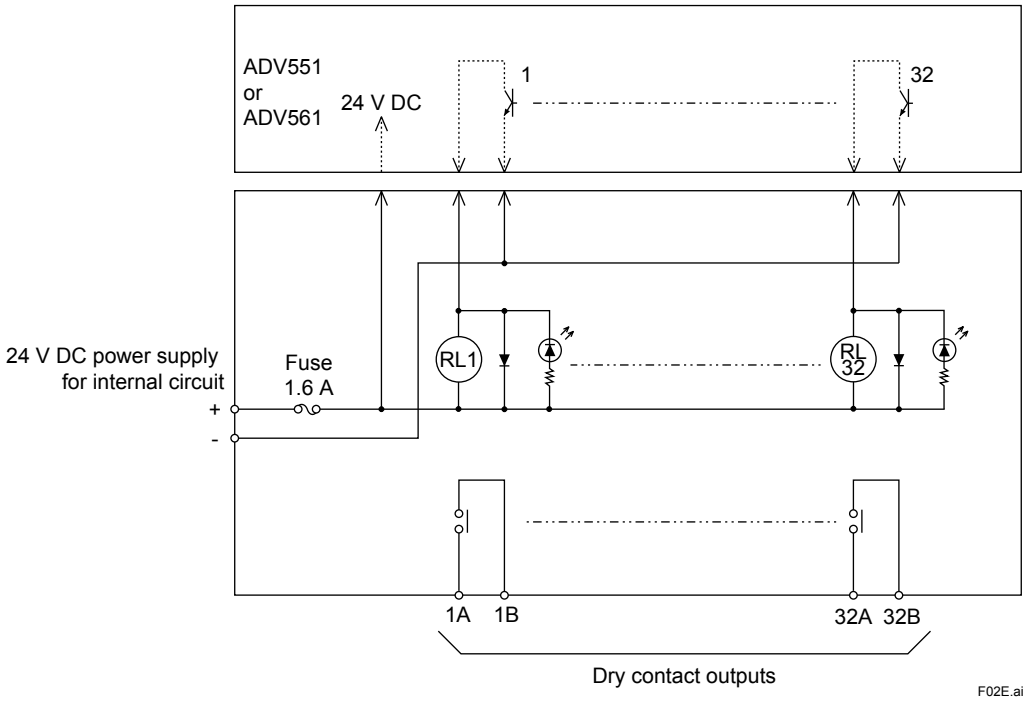
ARM55D



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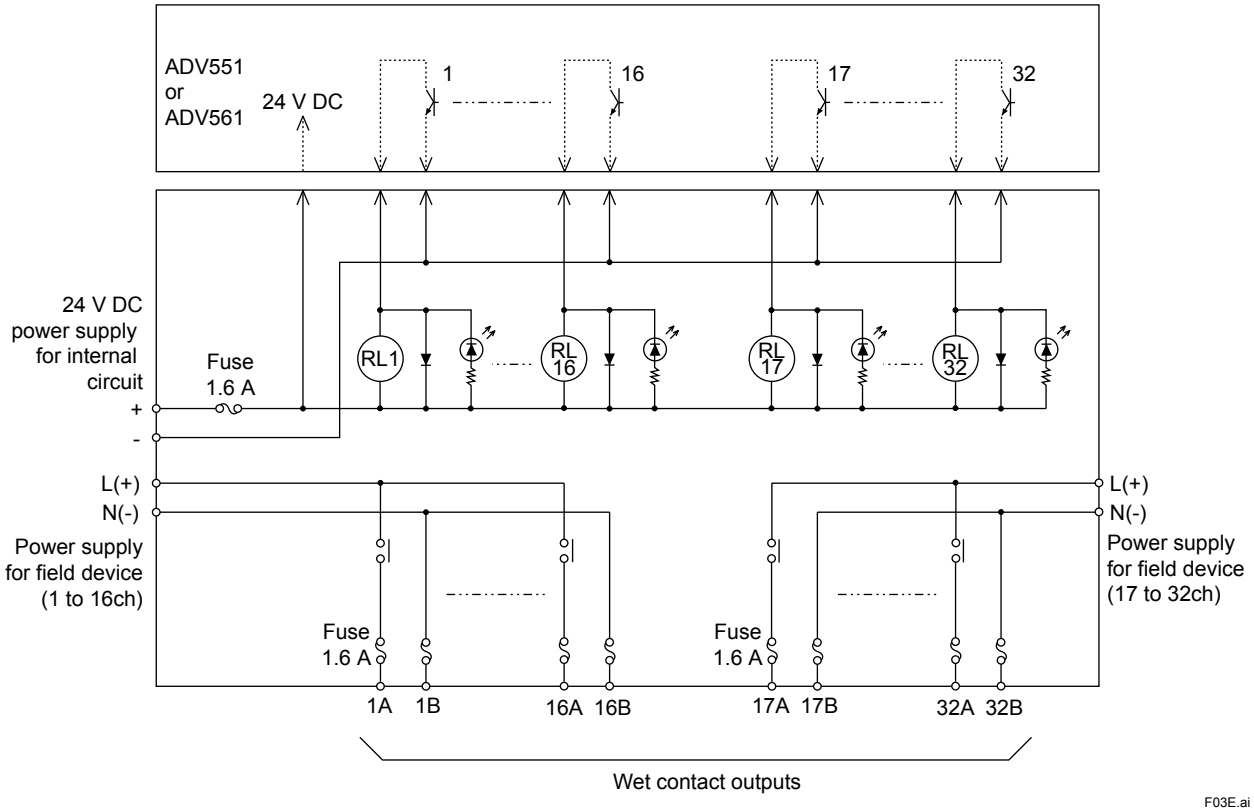
ARM55W



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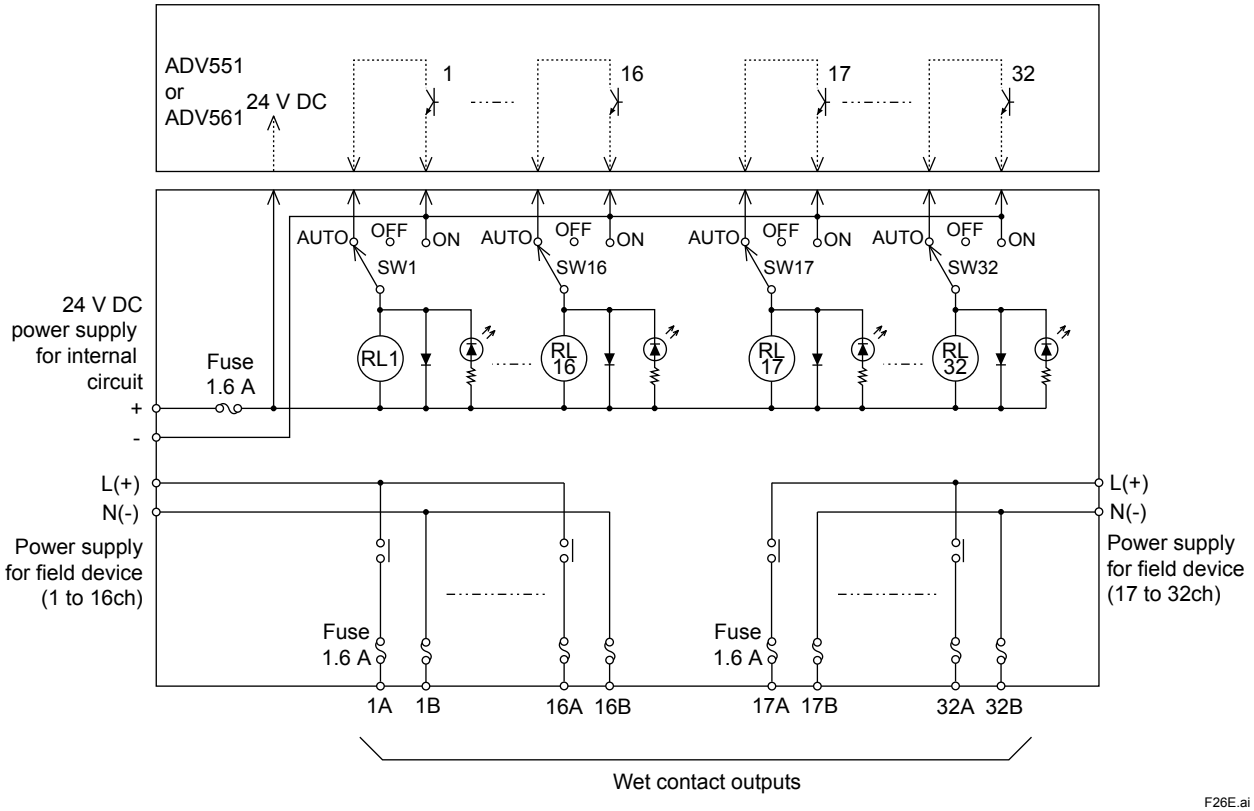
ARM55T



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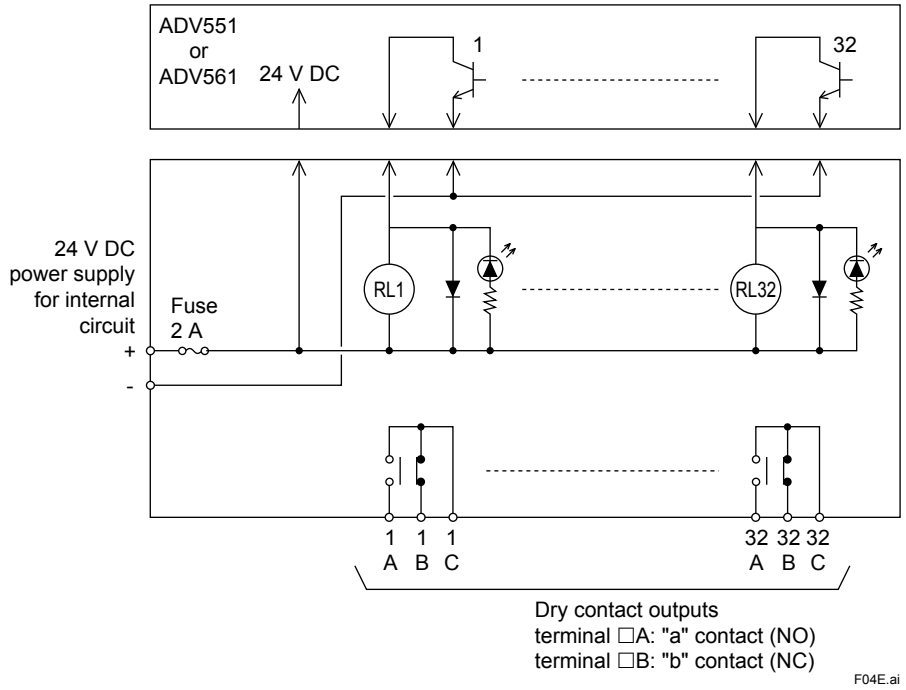
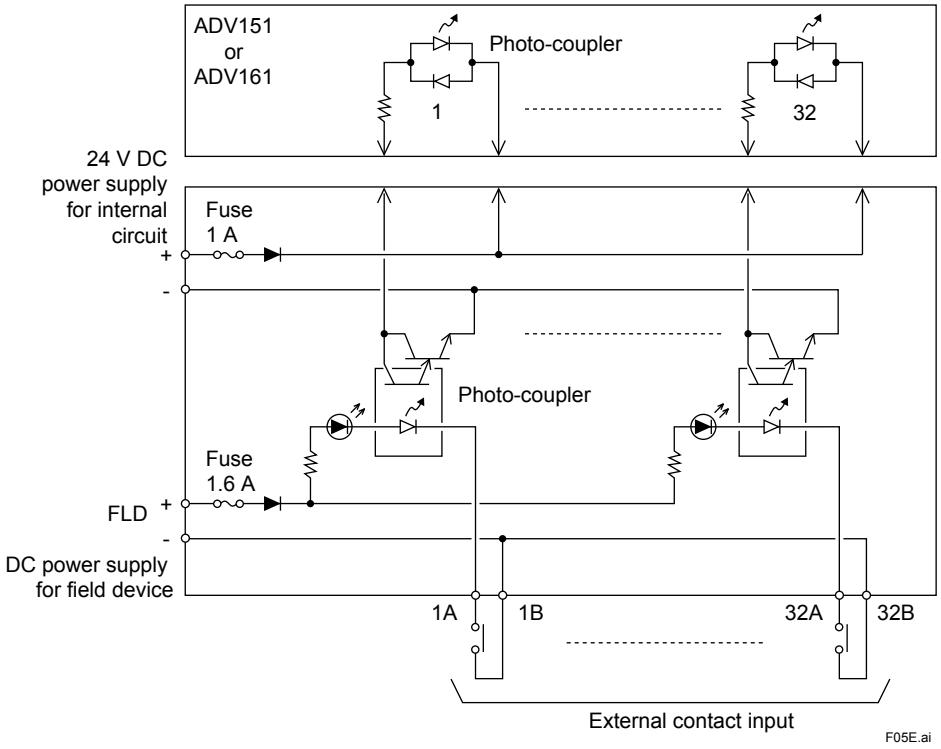
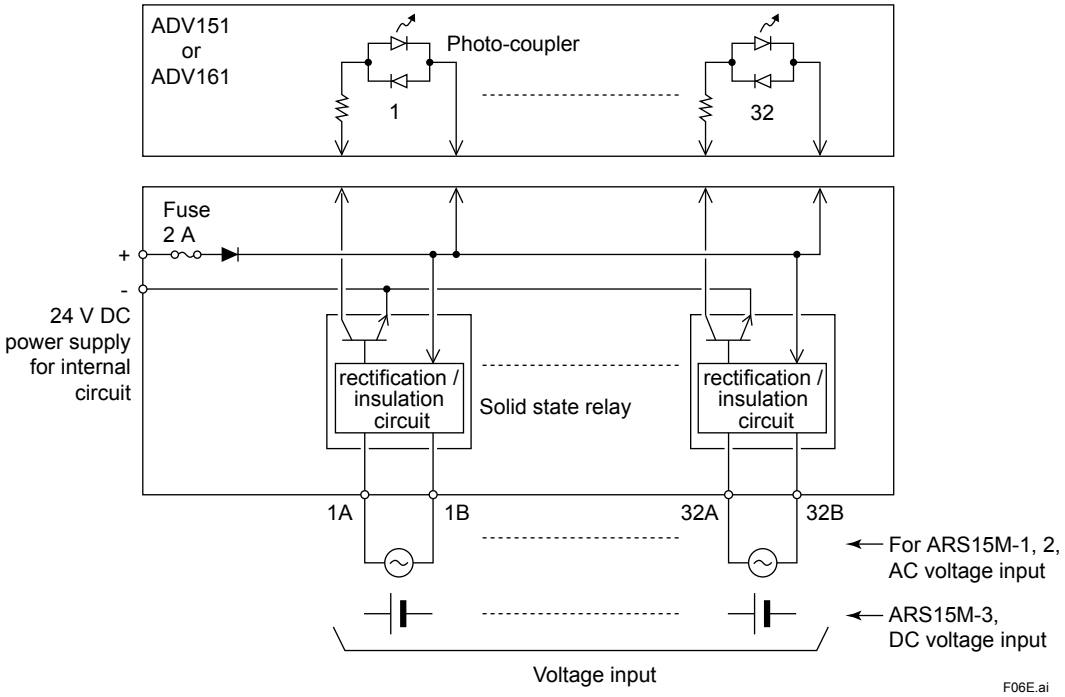
ARM55C



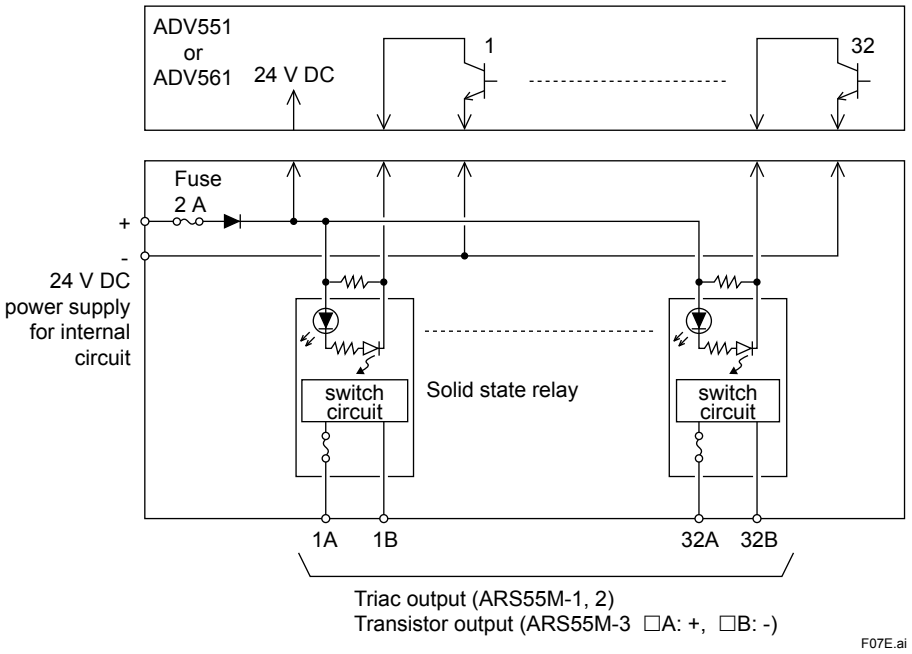
ARS15B



ARS15M

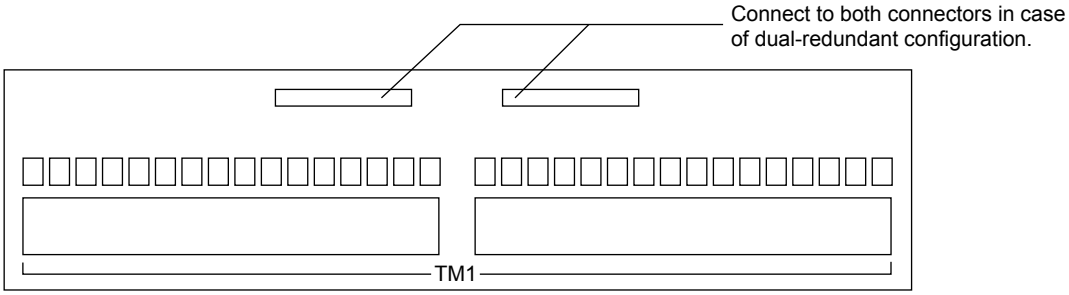


ARS55M



● Terminals for Field Device Connection

ARM15A



TM1 (Left side)

Signal name	LL (+)	IN1A	IN2A	IN3A	IN4A	IN5A	IN6A	IN7A	IN8A	IN9A	IN10A	IN11A	IN12A	IN13A	IN14A	IN15A	IN16A	N.C.
Terminal No.	FLD(+)	1A	2A	3A	4A	5A	6A	7A	8A	9A	10A	11A	12A	13A	14A	15A	16A	NC
	FLD(-)	1B	2B	3B	4B	5B	6B	7B	8B	9B	10B	11B	12B	13B	14B	15B	16B	NC
Signal name	LN (-)	IN1B	IN2B	IN3B	IN4B	IN5B	IN6B	IN7B	IN8B	IN9B	IN10B	IN11B	IN12B	IN13B	IN14B	IN15B	IN16B	N.C.

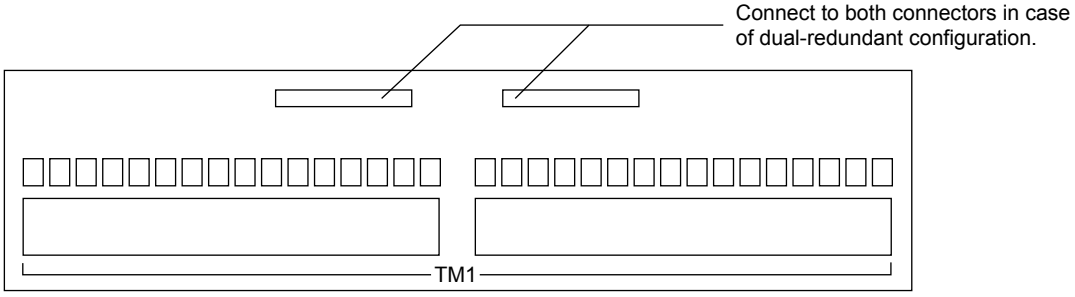
TM1 (Right side)

Signal name	RL (+)	IN17A	IN18A	IN19A	IN20A	IN21A	IN22A	IN23A	IN24A	IN25A	IN26A	IN27A	IN28A	IN29A	IN30A	IN31A	IN32A	24 V
Terminal No.	FLD(+)	17A	18A	19A	20A	21A	22A	23A	24A	25A	26A	27A	28A	29A	30A	31A	32A	+
	FLD(-)	17B	18B	19B	20B	21B	22B	23B	24B	25B	26B	27B	28B	29B	30B	31B	32B	-
Signal name	RN (-)	IN17B	IN18B	IN19B	IN20B	IN21B	IN22B	IN23B	IN24B	IN25B	IN26B	IN27B	IN28B	IN29B	IN30B	IN31B	IN32B	0 V

F08E.ai

Note: The terminal N.C. in the figure is an unused terminal; wiring is not required.
When connecting signals to adjacent terminals, make sure the insulation-covering parts of solderless lug do not overlap each other.

ARM55D



TM1 (Left side)

Signal name	OUT 1A	OUT 2A	OUT 3A	OUT 4A	OUT 5A	OUT 6A	OUT 7A	OUT 8A	OUT 9A	OUT 10A	OUT 11A	OUT 12A	OUT 13A	OUT 14A	OUT 15A	OUT 16A	N.C.	N.C.
Terminal No.	1A	2A	3A	4A	5A	6A	7A	8A	9A	10A	11A	12A	13A	14A	15A	16A	NC	NC
	1B	2B	3B	4B	5B	6B	7B	8B	9B	10B	11B	12B	13B	14B	15B	16B	NC	NC
Signal name	OUT 1B	OUT 2B	OUT 3B	OUT 4B	OUT 5B	OUT 6B	OUT 7B	OUT 8B	OUT 9B	OUT 10B	OUT 11B	OUT 12B	OUT 13B	OUT 14B	OUT 15B	OUT 16B	N.C.	N.C.

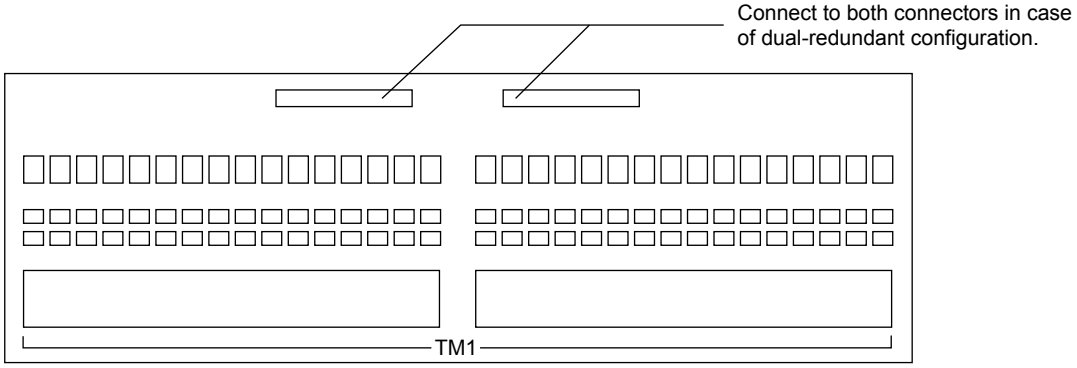
TM1 (Right side)

Signal name	OUT 17A	OUT 18A	OUT 19A	OUT 20A	OUT 21A	OUT 22A	OUT 23A	OUT 24A	OUT 25A	OUT 26A	OUT 27A	OUT 28A	OUT 29A	OUT 30A	OUT 31A	OUT 32A	N.C.	24 V
Terminal No.	17A	18A	19A	20A	21A	22A	23A	24A	25A	26A	27A	28A	29A	30A	31A	32A	NC	+
	17B	18B	19B	20B	21B	22B	23B	24B	25B	26B	27B	28B	29B	30B	31B	32B	NC	-
Signal name	OUT 17B	OUT 18B	OUT 19B	OUT 20B	OUT 21B	OUT 22B	OUT 23B	OUT 24B	OUT 25B	OUT 26B	OUT 27B	OUT 28B	OUT 29B	OUT 30B	OUT 31B	OUT 32B	N.C.	0 V

F09E.ai

Note: The terminal N.C. in the figure is an unused terminal; wiring is not required.
When connecting signals to adjacent terminals, make sure the insulation-covering parts of solderless lug do not overlap each other.

ARM55W, ARM55T



TM1 (Left side)

Signal name	LL (+)	OUT 1A	OUT 2A	OUT 3A	OUT 4A	OUT 5A	OUT 6A	OUT 7A	OUT 8A	OUT 9A	OUT 10A	OUT 11A	OUT 12A	OUT 13A	OUT 14A	OUT 15A	OUT 16A	N.C.
Terminal No.	L(+)	1A	2A	3A	4A	5A	6A	7A	8A	9A	10A	11A	12A	13A	14A	15A	16A	NC
	N(-)	1B	2B	3B	4B	5B	6B	7B	8B	9B	10B	11B	12B	13B	14B	15B	16B	NC
Signal name	LN (-)	OUT 1B	OUT 2B	OUT 3B	OUT 4B	OUT 5B	OUT 6B	OUT 7B	OUT 8B	OUT 9B	OUT 10B	OUT 11B	OUT 12B	OUT 13B	OUT 14B	OUT 15B	OUT 16B	N.C.

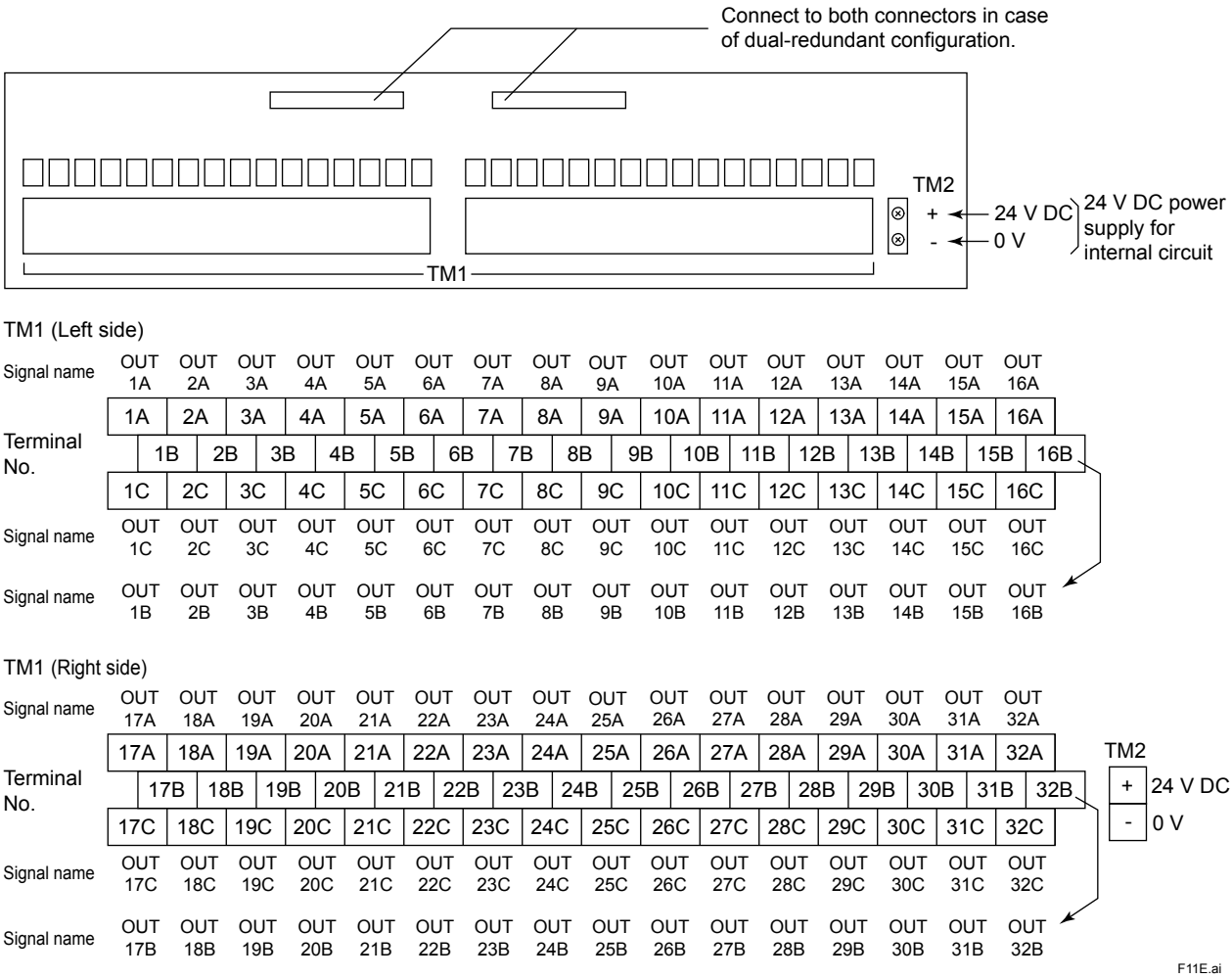
TM1 (Right side)

Signal name	RL (+)	OUT 17A	OUT 18A	OUT 19A	OUT 20A	OUT 21A	OUT 22A	OUT 23A	OUT 24A	OUT 25A	OUT 26A	OUT 27A	OUT 28A	OUT 29A	OUT 30A	OUT 31A	OUT 32A	24 V
Terminal No.	L(+)	17A	18A	19A	20A	21A	22A	23A	24A	25A	26A	27A	28A	29A	30A	31A	32A	+
	N(-)	17B	18B	19B	20B	21B	22B	23B	24B	25B	26B	27B	28B	29B	30B	31B	32B	-
Signal name	RN (-)	OUT 17B	OUT 18B	OUT 19B	OUT 20B	OUT 21B	OUT 22B	OUT 23B	OUT 24B	OUT 25B	OUT 26B	OUT 27B	OUT 28B	OUT 29B	OUT 30B	OUT 31B	OUT 32B	0 V

F10E.ai

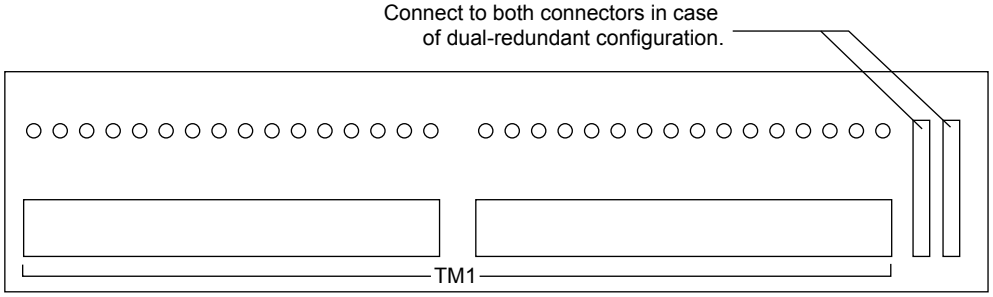
Note: The terminal N.C. in the figure is an unused terminal; wiring is not required.
When connecting signals to adjacent terminals, make sure the insulation-covering parts of solderless lug do not overlap each other.

ARM55C



Note: When connecting signals to adjacent terminals, make sure the insulation-covering parts of solderless lug do not overlap each other.

ARS15B



TM1 (Left side)

Signal name	L (+)	IN1A	IN2A	IN3A	IN4A	IN5A	IN6A	IN7A	IN8A	IN9A	IN10A	IN11A	IN12A	IN13A	IN14A	IN15A	IN16A
Terminal No.	FLD(+)	1A	2A	3A	4A	5A	6A	7A	8A	9A	10A	11A	12A	13A	14A	15A	16A
	FLD(-)	1B	2B	3B	4B	5B	6B	7B	8B	9B	10B	11B	12B	13B	14B	15B	16B
Signal name	N (-)	IN1B	IN2B	IN3B	IN4B	IN5B	IN6B	IN7B	IN8B	IN9B	IN10B	IN11B	IN12B	IN13B	IN14B	IN15B	IN16B

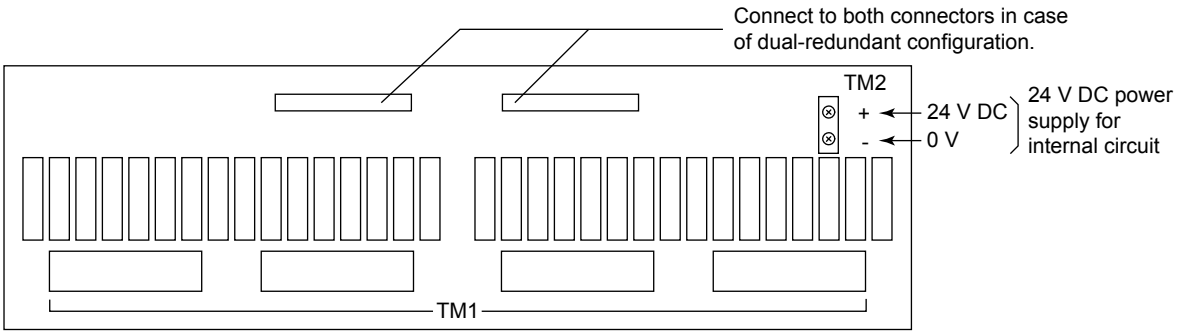
TM1 (Right side)

Signal name	IN17A	IN18A	IN19A	IN20A	IN21A	IN22A	IN23A	IN24A	IN25A	IN26A	IN27A	IN28A	IN29A	IN30A	IN31A	IN32A	24 V
Terminal No.	17A	18A	19A	20A	21A	22A	23A	24A	25A	26A	27A	28A	29A	30A	31A	32A	+
	17B	18B	19B	20B	21B	22B	23B	24B	25B	26B	27B	28B	29B	30B	31B	32B	-
Signal name	IN17B	IN18B	IN19B	IN20B	IN21B	IN22B	IN23B	IN24B	IN25B	IN26B	IN27B	IN28B	IN29B	IN30B	IN31B	IN32B	0 V

F12E.ai

Note: When connecting signals to adjacent terminals, make sure the insulation-covering parts of solderless lug do not overlap each other.

ARS15M, ARS55M



TM1

Signal name (ARS15M) / (ARS55M)	IN1 / OUT1	IN2 / OUT2	IN3 / OUT3	IN4 / OUT4	IN5 / OUT5	IN6 / OUT6	IN7 / OUT7	IN8 / OUT8	IN9 / OUT9	IN10 / OUT10	IN11 / OUT11	IN12 / OUT12	IN13 / OUT13	IN14 / OUT14	IN15 / OUT15	IN16 / OUT16
Terminal No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	A B	A B	A B	A B	A B	A B	A B	A B	A B	A B	A B	A B	A B	A B	A B	A B

Signal name (ARS15M) / (ARS55M)	IN17 / OUT17	IN18 / OUT18	IN19 / OUT19	IN20 / OUT20	IN21 / OUT21	IN22 / OUT22	IN23 / OUT23	IN24 / OUT24	IN25 / OUT25	IN26 / OUT26	IN27 / OUT27	IN28 / OUT28	IN29 / OUT29	IN30 / OUT30	IN31 / OUT31	IN32 / OUT32
Terminal No.	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	A B	A B	A B	A B	A B	A B	A B	A B	A B	A B	A B	A B	A B	A B	A B	A B

F13E.ai

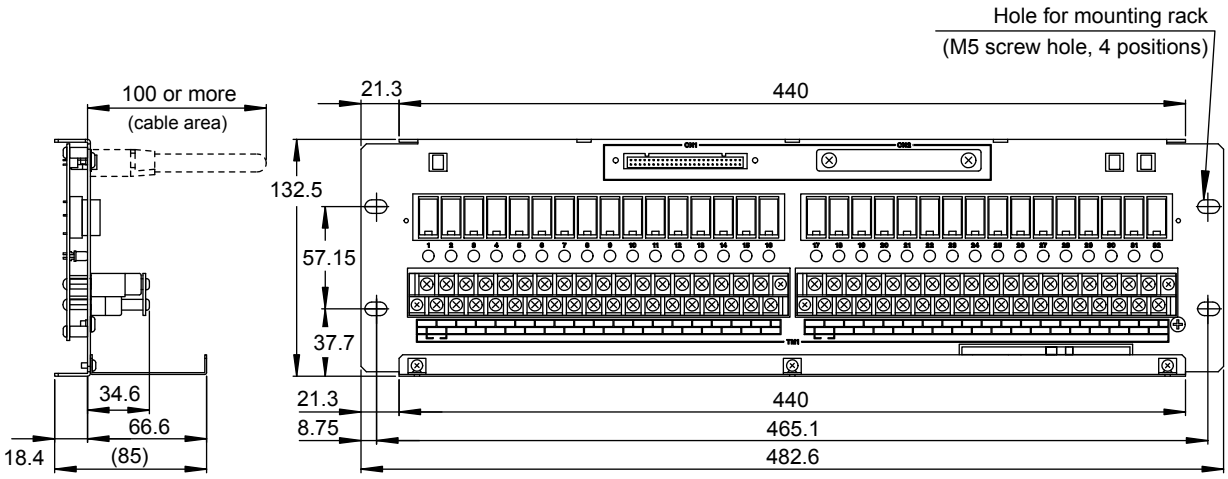
Note: For ARS55M-3 and ARS15M-3, terminal number “A” is for “+”, “B” is for “-.”

■ EXTERNAL DIMENSIONS

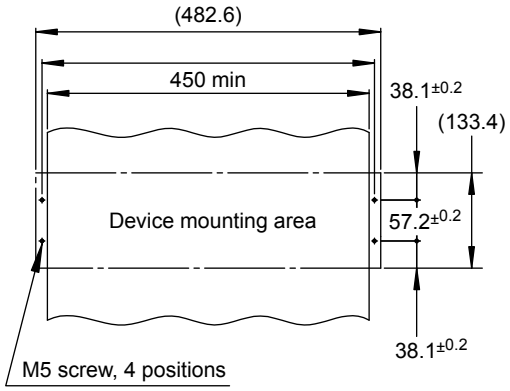
● ARM15A

Other than /BR3

Unit: mm



Rack Mounting Dimension

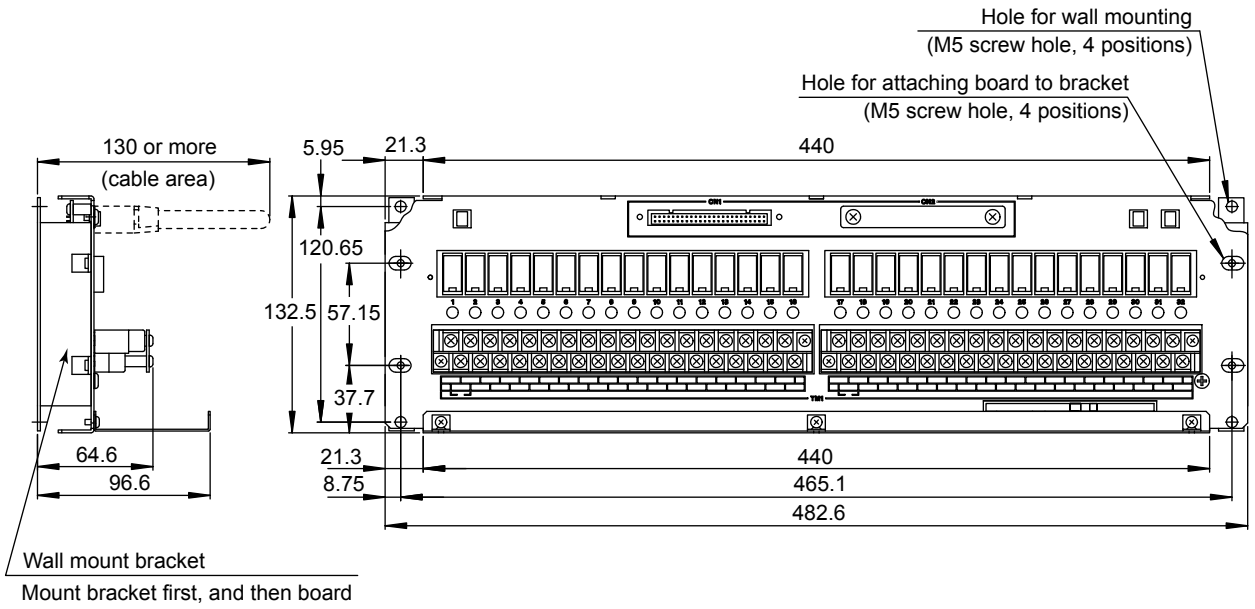


Weight: approx. 2.0 kg

F15E.ai

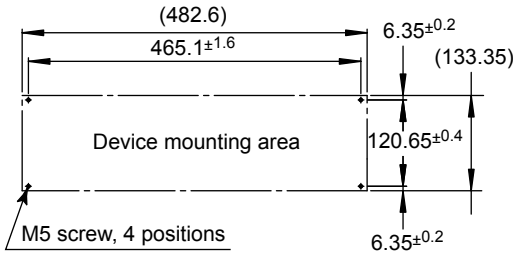
For /BR3

Unit: mm



Weight: approx. 2.2 kg

Wall Mounting Dimension

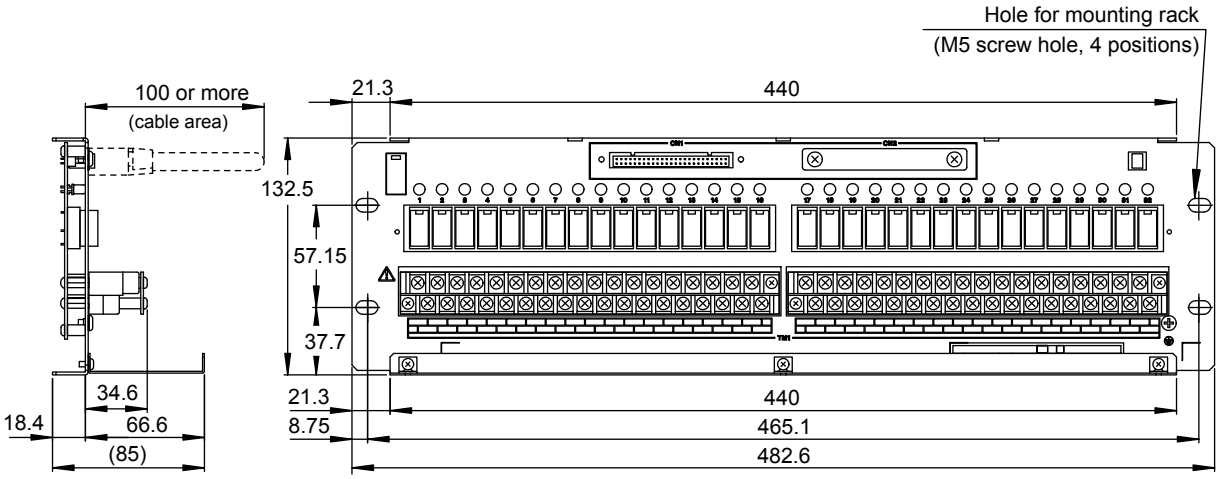


F16E.ai

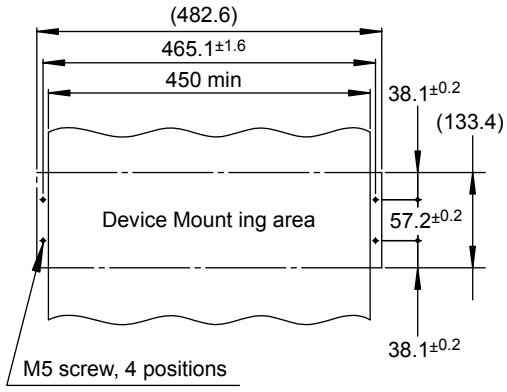
● ARM55D

Other than /BR3

Unit: mm



Rack Mounting Dimension

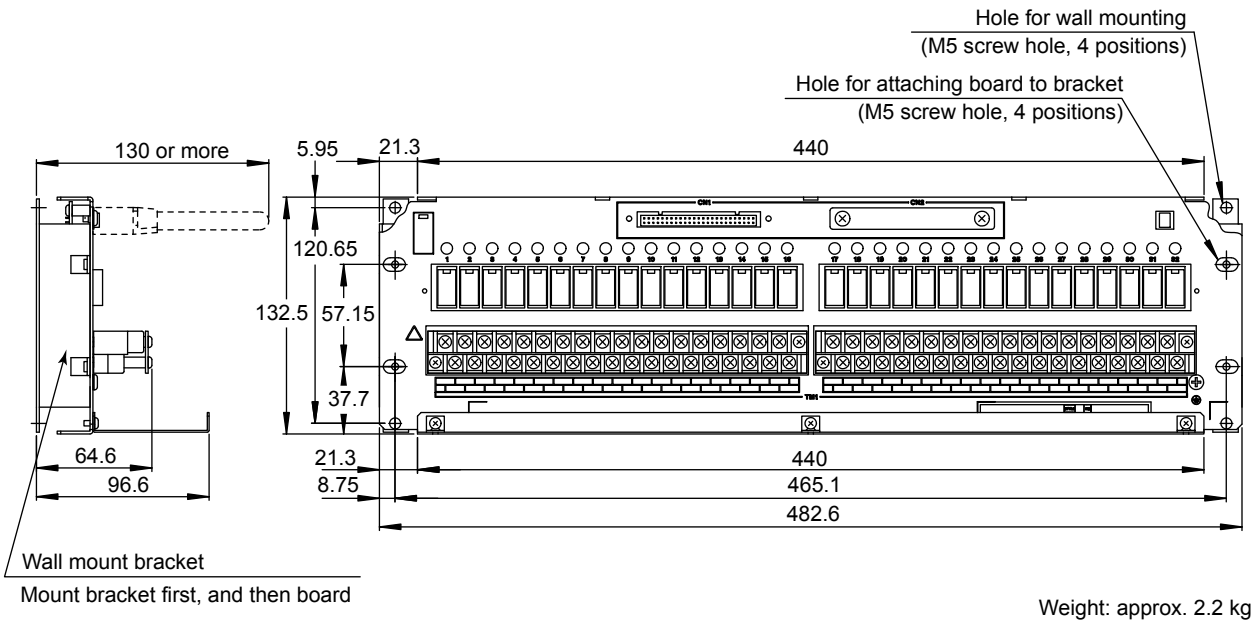


Weight: approx. 2.0 kg

F17E.ai

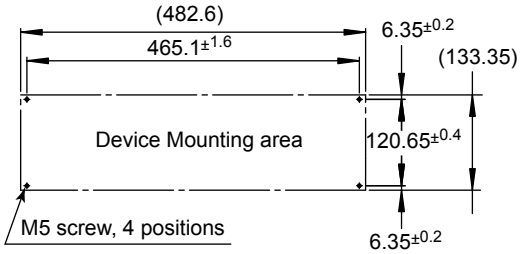
For /BR3

Unit: mm



Weight: approx. 2.2 kg

Wall Mounting Dimension

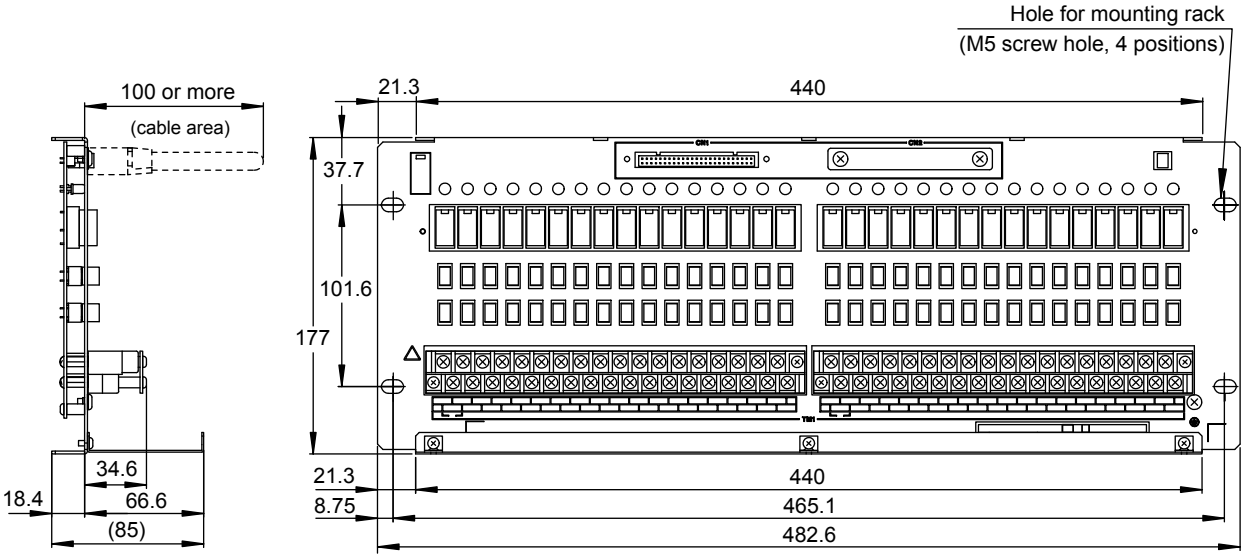


F18E.ai

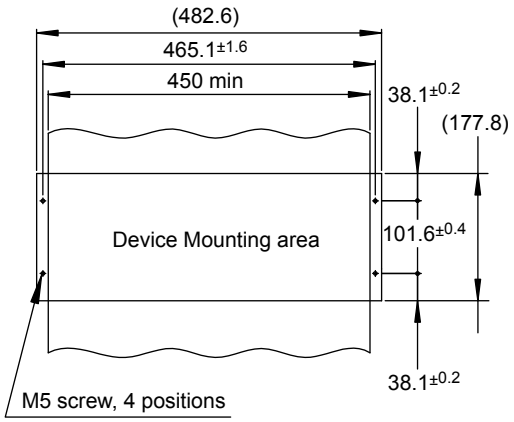
● ARM55W

Other than /BR4

Unit: mm



Rack Mounting Dimension

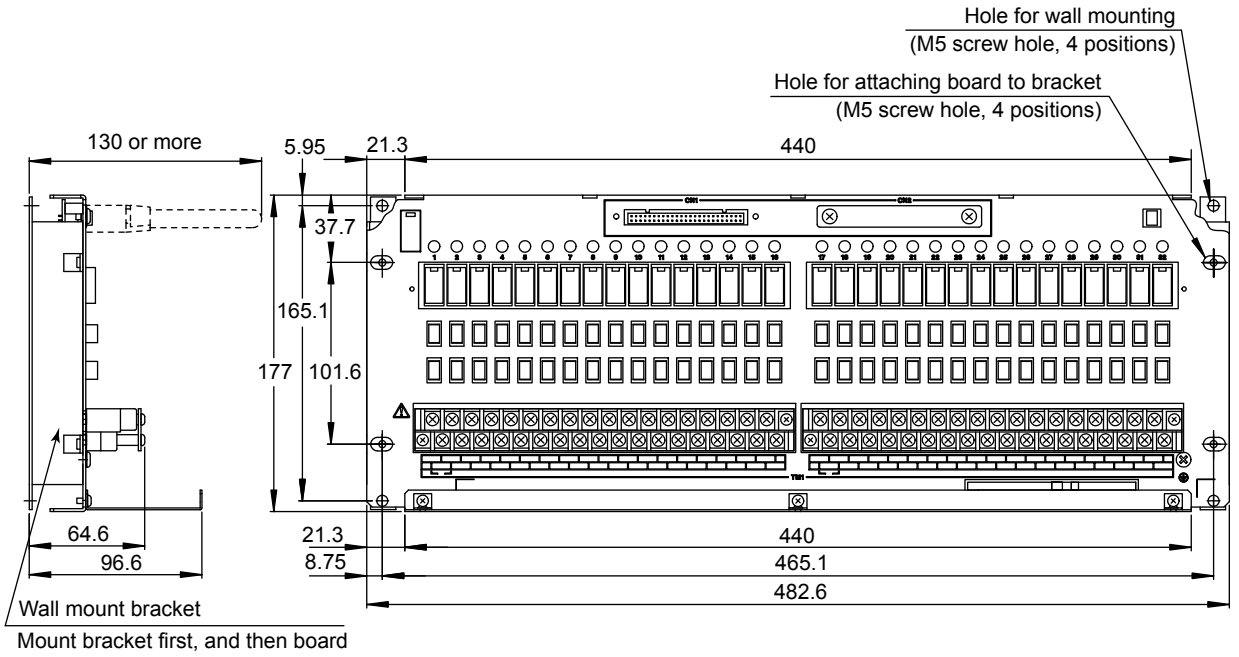


Weight: approx. 2.3 kg

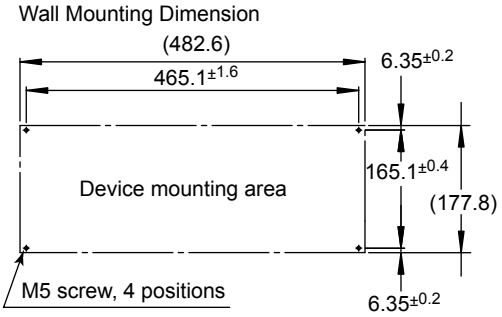
F19E.ai

For /BR4

Unit: mm



Weight: approx. 2.6 kg

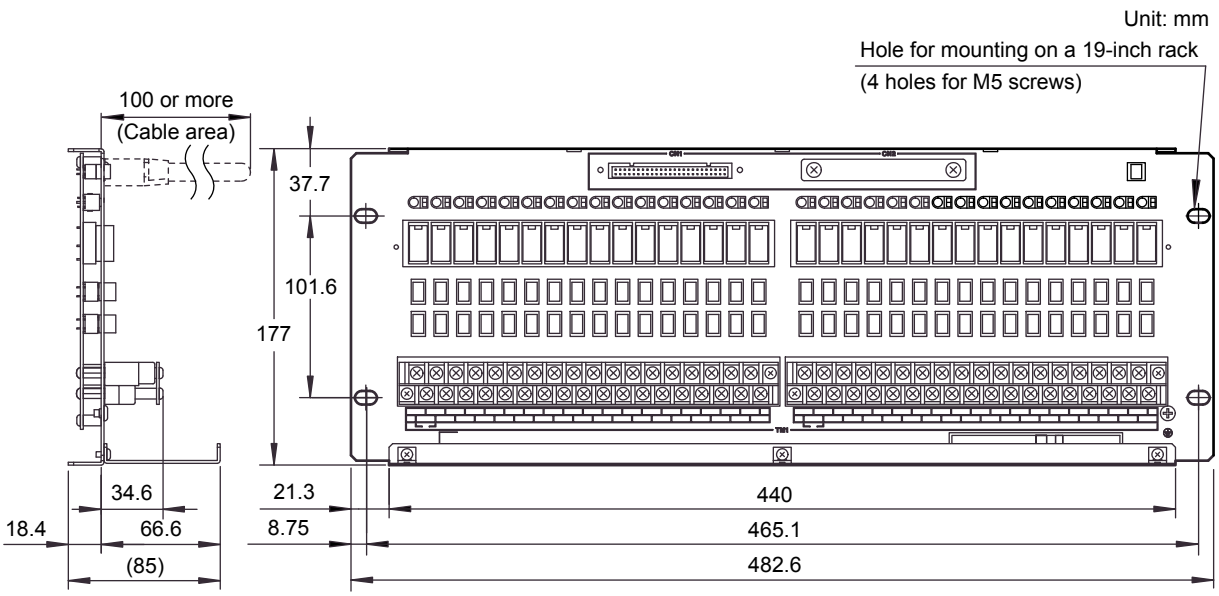


F20E.ai

● ARM55T

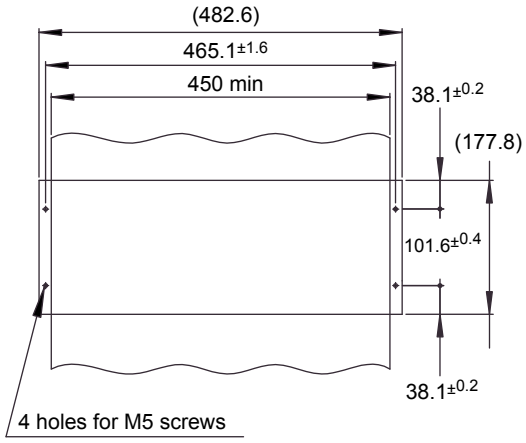
Other than /BR4

Unit: mm



Weight : approx. 2.3 kg (5.07 lb)

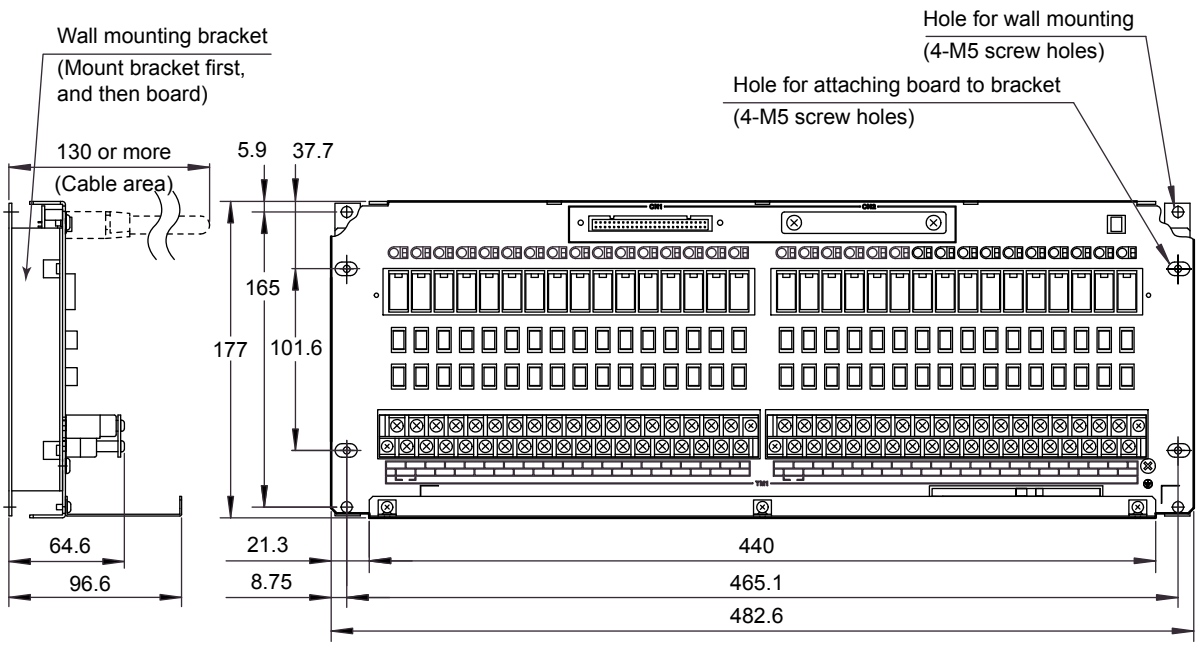
Rack mounting dimention



F27E.ai

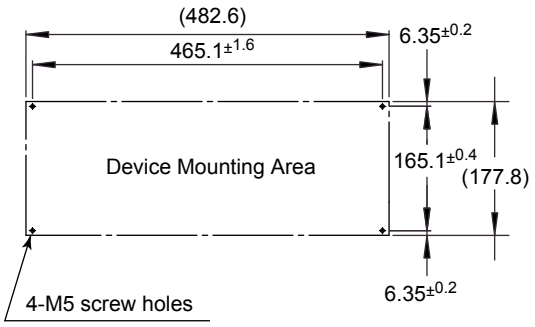
For /BR4

Unit: mm



Weight : approx. 2.6 kg (5.73 lb)

Wall mounting dimention

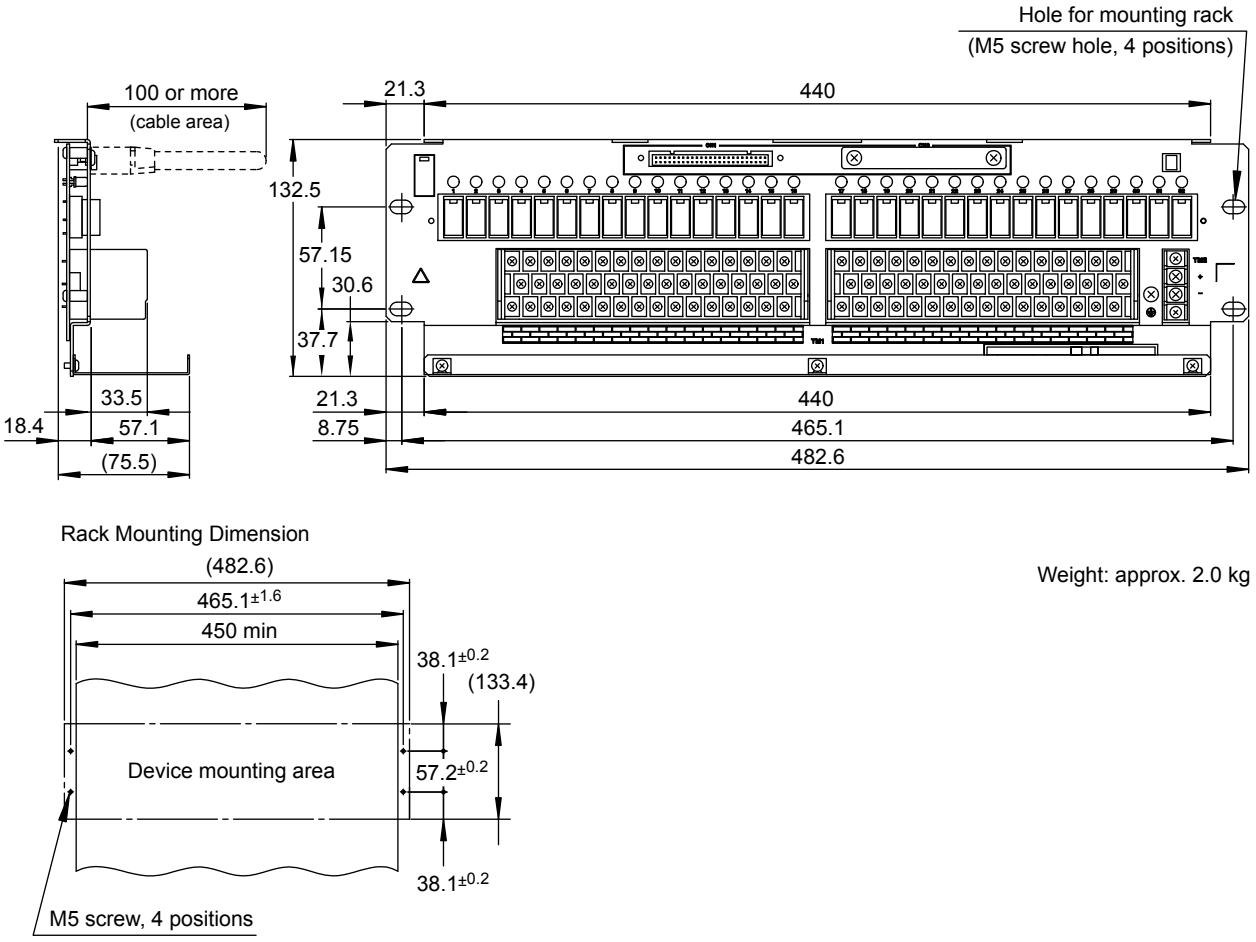


F28E.ai

● ARM55C

Other than /BR3

Unit: mm

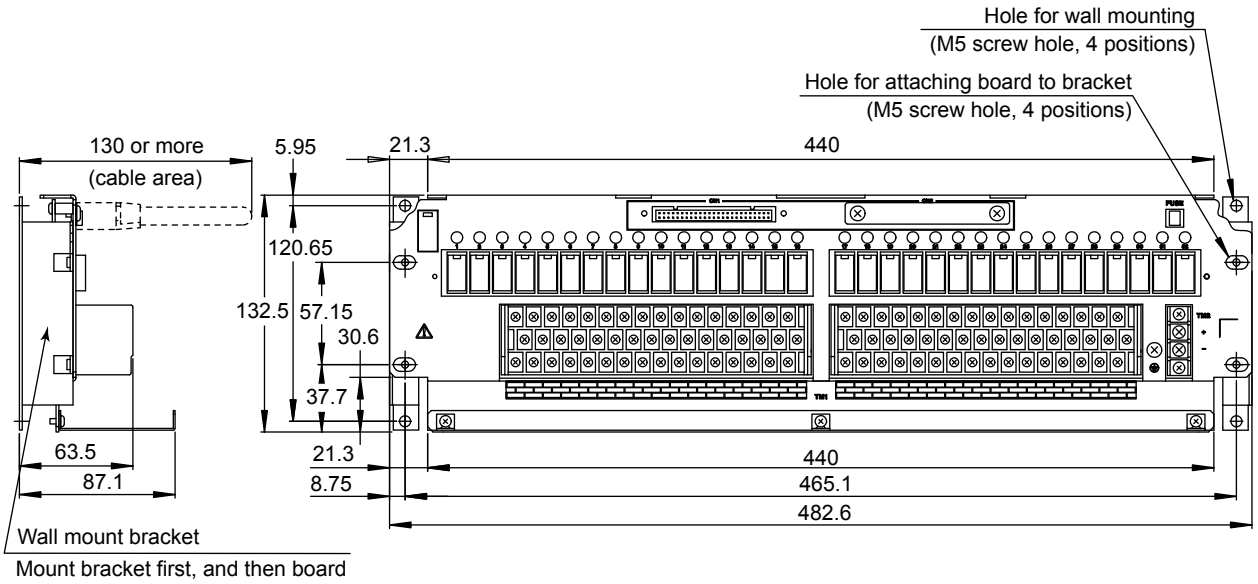


Weight: approx. 2.0 kg

F21E.ai

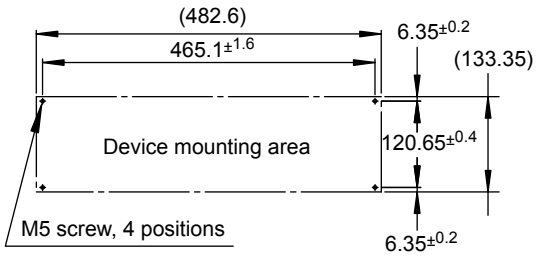
For /BR3

Unit: mm



Weight: approx. 2.2 kg

Wall Mounting Dimension

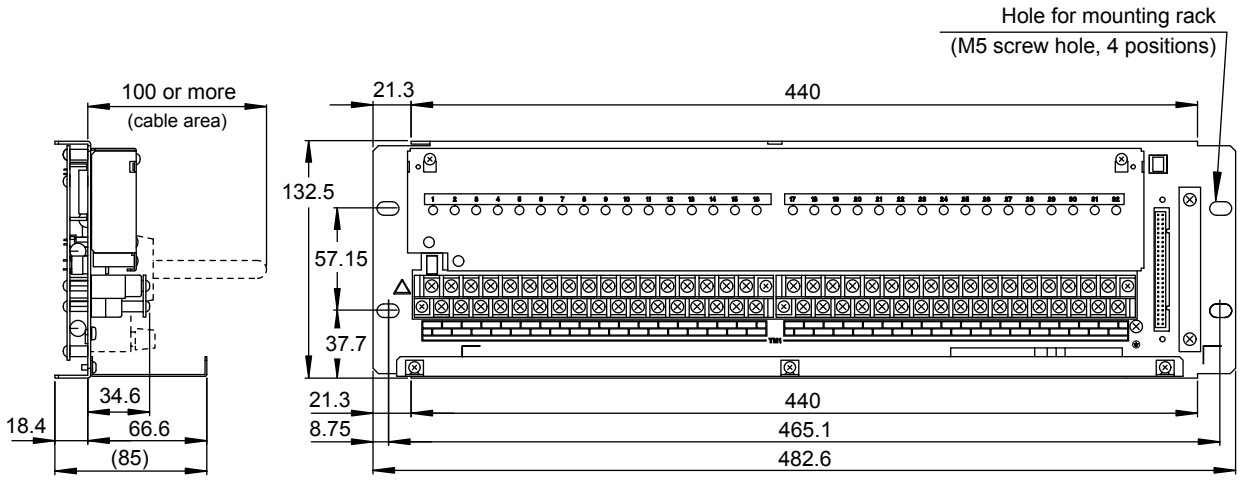


F22E.ai

● ARS15B

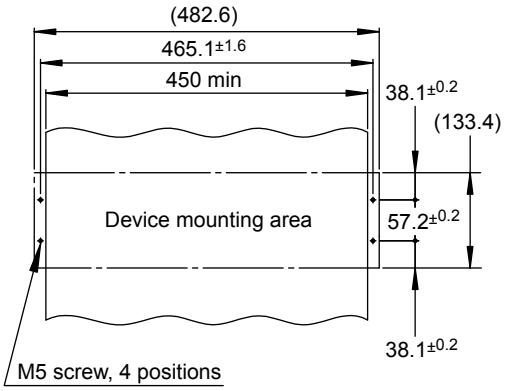
Other than /BR3

Unit: mm



Weight: approx. 2.3 kg

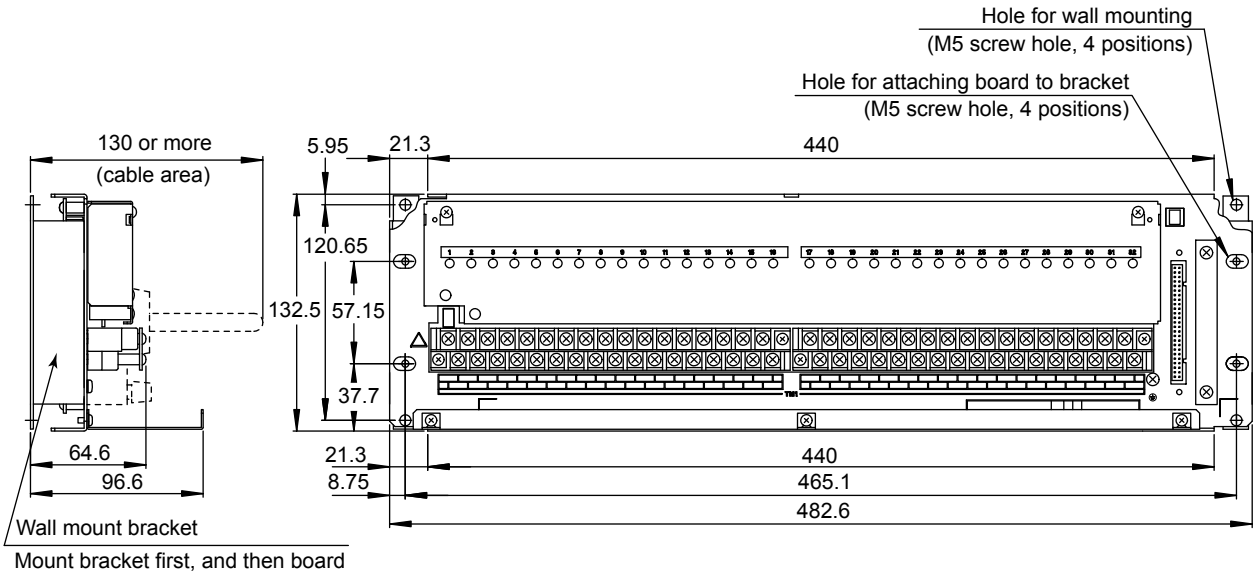
Rack Mounting Dimension



F23E.ai

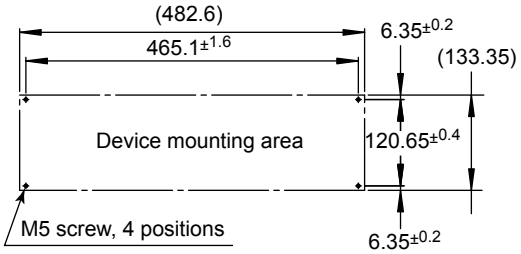
For /BR3

Unit: mm



Weight: approx. 2.5 kg

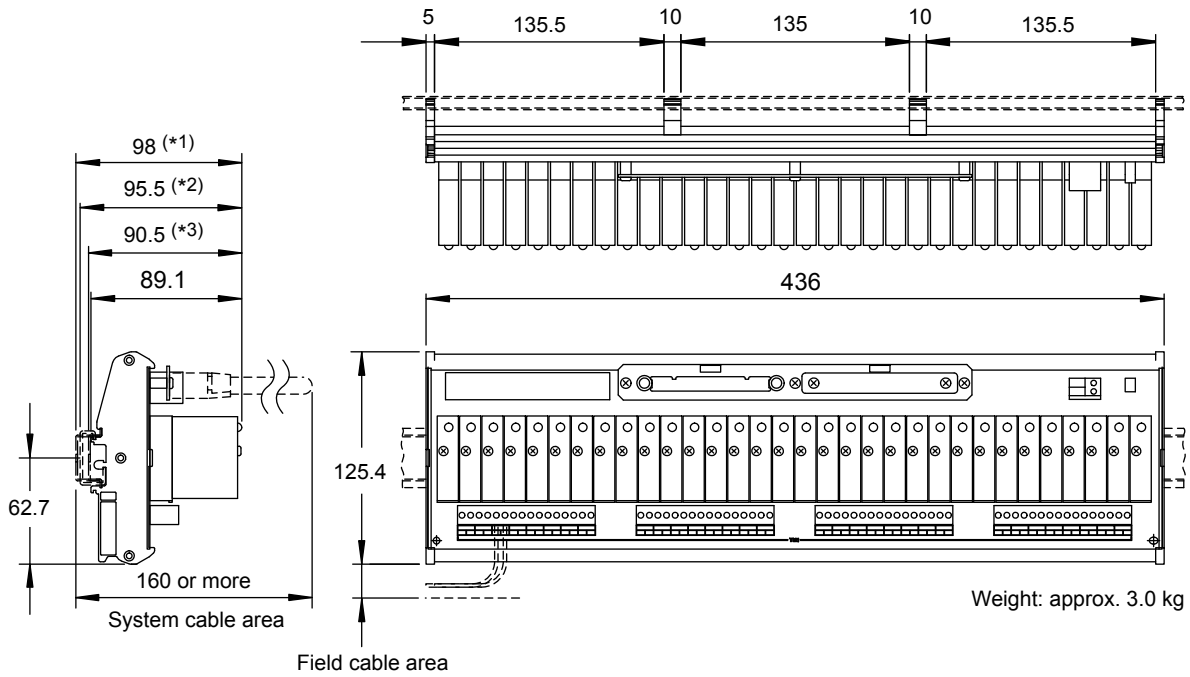
Wall Mounting Dimension



F24.ai

● ARS15M, ARS55M

Unit: mm



*1: Applicable DIN Rail; TH35-15, EN 50022
*2: Applicable DIN Rail; G32, EN 50035
*3: Applicable DIN Rail; TH35-7.5, EN 50022

F25E.ai

■ MODELS AND SUFFIX CODES

● Mechanical Relay Board

		Description
Model	ARM15A	32 Dry Contact Inputs (M4 Terminals)
Suffix Codes	-0	Always 0
	0	19-inch Rack Mountable
	0	Basic Type
Option Code	/BR3	Wall Mount Bracket

		Description
Model	ARM55D	32 Dry Contact Outputs (M4 Terminals)
Suffix Codes	-0	Always 0
	0	19-inch Rack Mountable
	0	Basic Type
Option Code	/BR3	Wall Mount Bracket

		Description
Model	ARM55W	32 Wet Contact Outputs (M4 Terminals)
Suffix Codes	-0	Always 0
	0	19-inch Rack Mountable
	0	Basic Type
Option Code	/BR4	Wall Mount Bracket

		Description
Model	ARM55T	32 Wet Contact Outputs with Switch (M4 Terminals)
Suffix Codes	-0	Always 0
	0	19-inch Rack Mountable
	0	Basic Type
Option Code	/BR4	Wall Mount Bracket

		Description
Model	ARM55C	32 Dry Contact Outputs (M3.5 Terminals)
Suffix Codes	-0	Always 0
	0	19-inch Rack Mountable
	0	Basic Type
Option Code	/BR3	Wall Mount Bracket

● Solid State Relay Board

		Description
Model	ARS15B	32 Solid State Inputs (SSR Built-In Type, M4 Terminals)
Suffix Codes	-5	For 48 V DC input
	-6	110 V DC input
	0	19-inch Rack Mountable
	0	Basic Type
Option Code	/BR3	Wall Mount Bracket

		Description
Model	ARS15M	32 Solid State Inputs (SSR Plug-In Type, Pressure Clamp Terminals)
Suffix Codes	-1	For 100 V AC input module (32-point type)
	-2	For 220 V AC input module (32-point type)
	-3	For 10 - 30 V DC input module (32-point type)
	1	DIN Rail Mountable
	0	Basic Type

		Description
Model	ARS55M	32 Solid State Outputs (SSR Plug-In Type, Pressure Clamp Terminals)
Suffix Codes	-1	For 100 V AC output module (32-point type)
	-2	For 220 V AC output module (32-point type)
	-3	For 5-60 V DC output module (32-point type)
	1	DIN Rail Mountable
	0	Basic Type

■ ORDERING INFORMATION

Specify the model and suffix codes.

■ TRADEMARKS

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