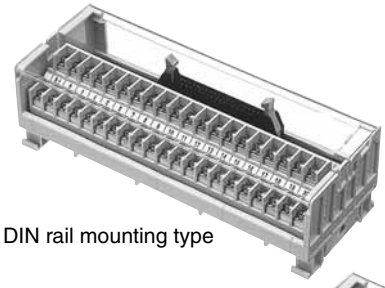
STOP Order Discontinued as of July 31, 2010

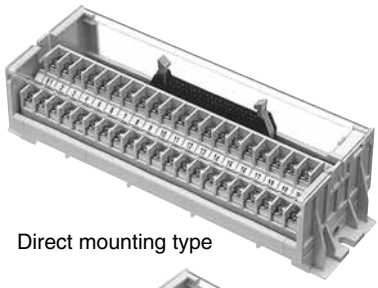
Panasonic
ideas for life

PERFECT AS INTERFACES FOR PLCS, PERSONAL COMPUTERS, AND CONTROLLERS.

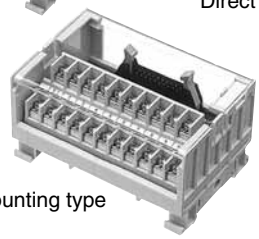
CT-1 CONNECTOR TERMINAL



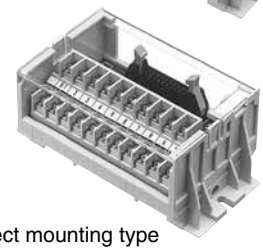
DIN rail mounting type



Direct mounting type



DIN rail mounting type



Direct mounting type

FEATURES

1. One-touch wiring with the various controller types greatly reduces the time required for wiring operations.
2. Integrated AXM connector (complying to MIL standard).
3. Exclusive cables are also available.
Flat cables can also be used for connecting.
4. DIN rail mounting and direct mounting type available.

TYPICAL APPLICATIONS

I/O interface for PLCs, personal computers, and the various types of controllers.

Compliance with RoHS Directive

ORDERING INFORMATION

CT1 □ – □

Connector terminal

Installation type
Nil: DIN rail mounting type
M: Direct mounting type

No. of poles
20: 20 poles
30: 30 poles
34: 34 poles
40: 40 poles

TYPES

Product name	Part No.	Packing quantity	
		Inner	Outer
Connector terminal DIN rail mounting 20 poles	CT1-20	1 pc.	60 pcs.
Connector terminal DIN rail mounting 30 poles	CT1-30		35 pcs.
Connector terminal DIN rail mounting 34 poles	CT1-34		35 pcs.
Connector terminal DIN rail mounting 40 poles	CT1-40		35 pcs.
Connector terminal direct mount 20 poles	CT1M-20	1 pc.	60 pcs.
Connector terminal direct mount 30 poles	CT1M-30		35 pcs.
Connector terminal direct mount 34 poles	CT1M-34		35 pcs.
Connector terminal direct mount 40 poles	CT1M-40		35 pcs.

SPECIFICATIONS

Item	Specifications
Rated voltage	125 V AC
Rated current	1 A
Breakdown voltage	250 Vrms for 1 min.
Insulation resistance	100 MΩ
Fasten torque	1.2 N·m {12 kgf·cm}
Ambient temperature	–10°C to +55°C +14°F to +131°F

CT-1

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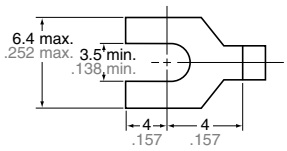
• Applicable connector (socket)

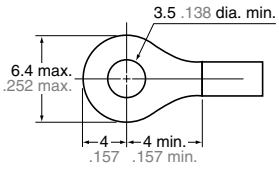
Product name	No. of poles	Part No.
MIL type AXM Flat Cable Connector	20	AXM120415
	30	AXM130415
	34	AXM134415
	40	AXM140415

• Applicable flat cable
Stranded wire: pitch (1.27 mm .050 inch)/conductor #28 (7 wire/0.127 dia.)
• Applicable load wire
0.25 to 1.65 mm² .01 to .065 inch
• Screw
M 3.5

• Applicable wire-pressed terminal

mm inch





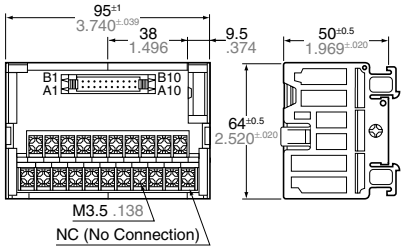
Company name	Fork type	Round type
J.S.T. Mfg Co., Ltd.	1.25 – YS3A	1.25Y – 3.7
NICHIFU Co., Ltd.	1.25Y – 3L	1.25 – 3.5S
Nippon Tanshi Co., Ltd.	VD1.25 – 3.5	R1.25 – 3.5 · 2

DIMENSIONS (Unit: mm inch)

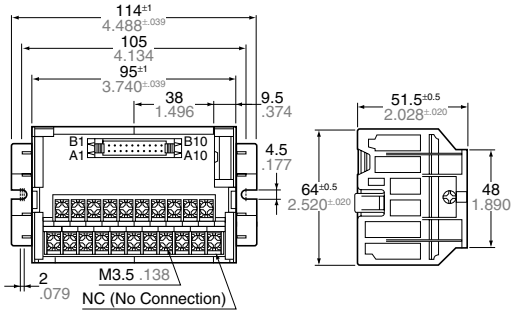
1. 20 poles

CT1-20 (DIN rail mounting)
CT1M-20 (Direct mounting)

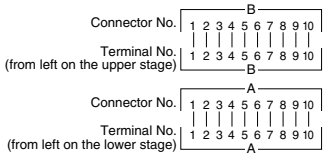
DIN rail mounting External dimensions



Direct mounting External dimensions



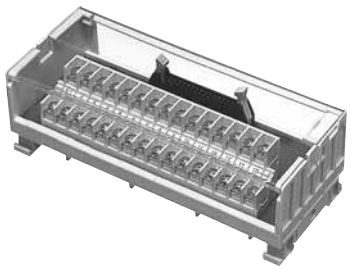
SCHEMATIC (Top View)



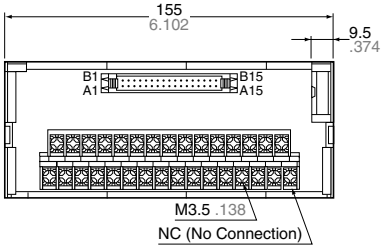
Note: Common to both DIN rail type and direct mount type

2. 30 poles

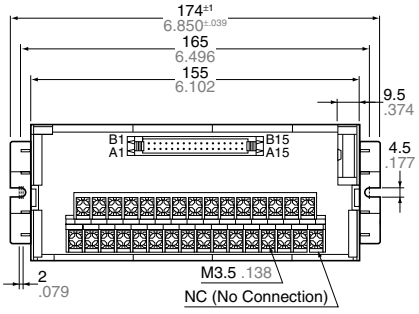
CT1-30 (DIN rail mounting)
CT1M-30 (Direct mounting)



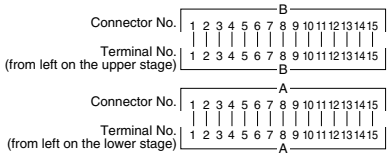
DIN rail mounting External dimensions



Direct mounting External dimensions



SCHEMATIC (Top View)

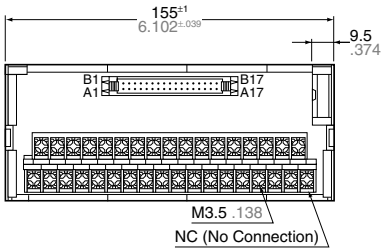


Note: Common to both DIN rail type and direct mount type

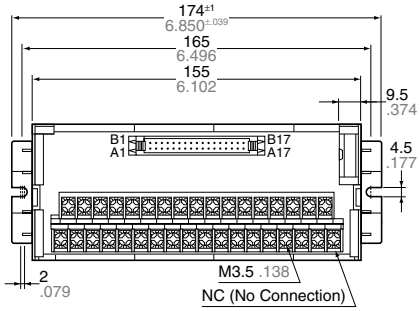
3. 34 poles

CT1-34 (DIN rail mounting)
CT1M-34 (Direct mounting)

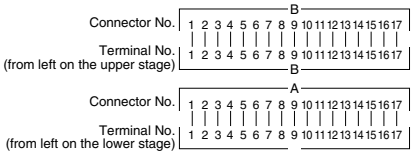
DIN rail mounting External dimensions



Direct mounting External dimensions



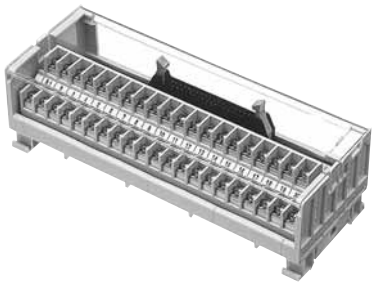
SCHEMATIC (Top View)



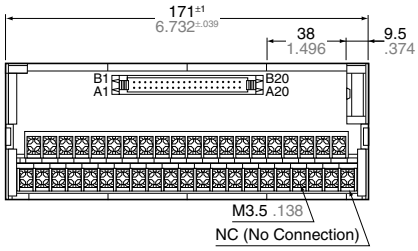
Note: Common to both DIN rail type and direct mount type

4. 40 poles

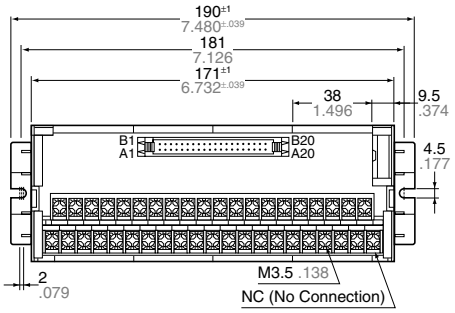
CT1-40 (DIN rail mounting)
CT1M-40 (Direct mounting)



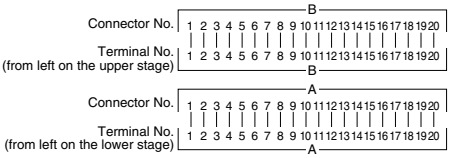
DIN rail mounting External dimensions



Direct mounting External dimensions



SCHEMATIC (Top View)



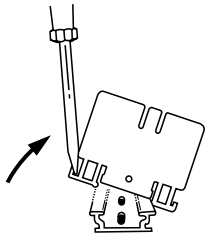
Note: Common to both DIN rail type and direct mount type

NOTES

1. Installation

1) Perform mounting hole cutout according to the mounting hole pattern.
2) When connecting and removing to the DIN rail, please proceed as follow:

- Align the unit with the groove of the mounting rail, and press gently to attach to the DIN rail.
- When removing the main unit from the DIN rail, pull out the DIN rail mounting levers using a slotted screwdriver and hook them. The main unit can be removed from the DIN rail easily.



3) Be careful not to drop or shock the unit. Excessive shock such as dropping may cause damage or malfunction.

2. Wiring and circuit configuration

1) Make all connections according to the schematic.
2) When wiring power lines or power cables, twisted pair treatment (stranded wire treatment) should be done in order to improve noise resistance.
3) In order to improve noise resistance, class 3 grounding of the control panel is recommended.
4) Turn off the power before connecting/ disconnecting connector cables.

3. Operating environment

1) Use the product at ambient operating temperature between 0°C and 55°C 32°F and 131°F.
2) The main unit is made of resin; therefore, do not use it in areas where it may come in contact with (or be exposed to) organic solvents such as benzine, thinner, and alcohol or strong alkaline substances such as ammonia and caustic soda.
3) Do not use the product in areas where it may be exposed to flammable gases, corrosive gases, excessive dust, or moisture, or areas where it may be subjected to strong vibration or shock.

4. Change of indicated items

The electrical & mechanical specifications and outside dimensions and mounting dimensions are subject to change without notice.

5. Transporting and storage

1) If the product is subjected to extreme vibration while being transported, the relays may detach, the lead may bend and the unit may be damaged. Handle the inner and outer boxes with care.
2) If the product is stored in an extremely adverse environment, visible defects and deterioration of performance characteristics may result. We recommend the following storage conditions.

- Temperature: 5 to 30°C 41 to 86°F
- Humidity: Max. 60% R.H.
- Environment: No hazardous substances such as sulfurous acid gases and little dust.