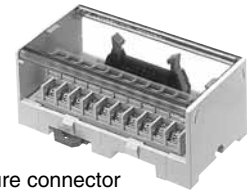
Discontinued
Last time buy: September 30, 2013

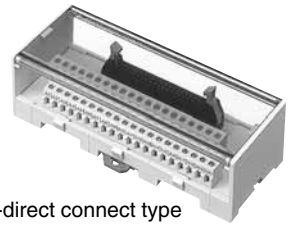
Panasonic
ideas for life

Connector terminal for PLCs, PCs and various controllers

CT-2 CONNECTOR TERMINAL



Pressure connector connect type



Wire-direct connect type

RoHS compliant

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 can be provided
4. DIN rail mounting type and direct mounting type are available

TYPICAL APPLICATIONS

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

ORDERING INFORMATION

CT2 – □ □ – □ □

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

Termination type
Nil: Pressure connector connect type
C: Wire-direct connect type

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

TYPES

1. DIN rail mounting type

Connection method	No. of poles	Part No.
Pressure connector connect type	20	CT2-20
	30	CT2-30
	34	CT2-34
	40	CT2-40
Wire-direct connect type	20	CT2-C-20
	30	CT2-C-30
	34	CT2-C-34
	40	CT2-C-40

Standard packing: Carton: 1 pc.; Case: 20 pcs.

2. Direct mounting type

Connection method	No. of poles	Part No.
Pressure connector connect type	20	CT2-M-20
	30	CT2-M-30
	34	CT2-M-34
	40	CT2-M-40
Wire-direct connect type	20	CT2-MC-20
	30	CT2-MC-30
	34	CT2-MC-34
	40	CT2-MC-40

Standard packing: Carton: 1 pc.; Case: 20 pcs.

SPECIFICATIONS

Item	Specifications
Rated voltage	125 V AC
Rated current	1 A
Breakdown voltage	250 Vrms for 1 min.
Insulation resistance	100 MΩ (at 500 V DC megger)
Fasten torque	Pressure connector connect type: 0.3 to 0.5 N·m {3 to 5 kgf·cm} Wire-direct connect type: 0.2 to 0.4 N·m {2 to 4 kgf·cm}
Ambient temperature	0°C to +55°C +32°F to +131°F

CONNECTOR

1. Applicable connector (socket)

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

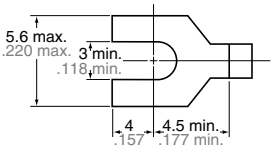
2. Applicable flat cable

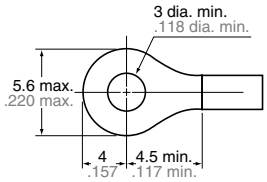
Standard wire: pitch (1.27 mm 0.050 inch)/conductor #28 (7 wire/0.127 dia.)

TERMINAL BLOCK

1. Pressure connector connect type

- Applicable electrical wire
  0.25 to 1.65 mm² .01 to .065 inch
- Applicable wire-pressed terminals (mm inch)





Company name	Fork type	Round type
J.S.T. Mfg Co., Ltd.	1.25 – C3A	1.25 – 3
NICHIFU Co., Ltd.	1.25Y – 3N	1.25 – 3
Nippon Tanshi Co., Ltd.	VD1.25 – 3	R1.25 – 3

2. Wire-direct connect type

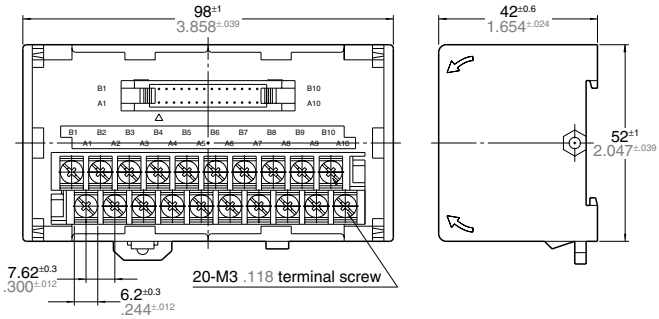
When wiring screw-clamped terminal blocks, strip the lead wires and connect them properly.

Stripping length	Applicable wire
8 to 10 mm .315 to .394 inch	• 0.128 to 1.318 mm .005 to 0.52 inch • 0.4 to 1.3 mm dia. .016 to .051 inch dia.

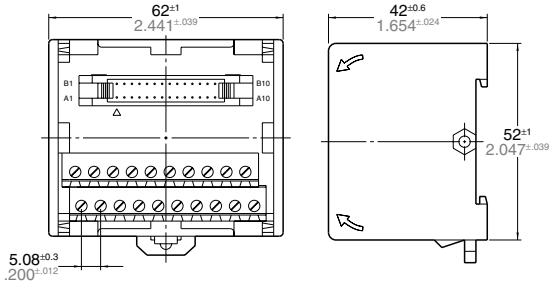
DIMENSIONS (mm inch)

1. DIN rail mounting type

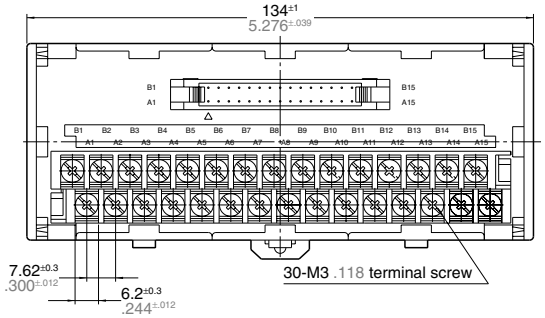
Pressure connector connect type (20 poles)
External dimensions



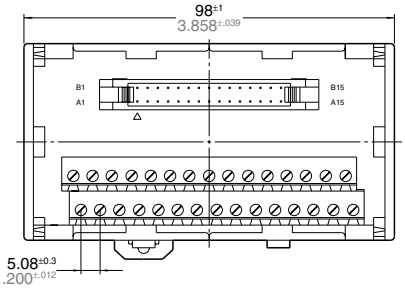
Wire-direct connect type (20 poles)
External dimensions



Pressure connector connect type (30 poles)
External dimensions

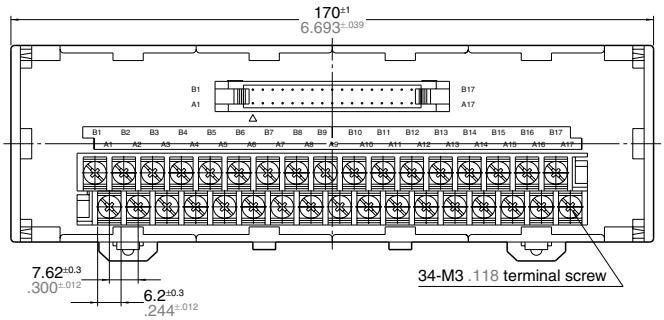


Wire-direct connect type (30 poles)
External dimensions

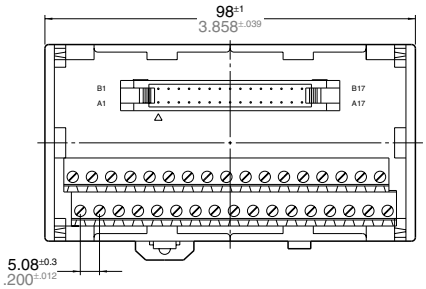


Discontinued
Last time buy: September 30, 2013

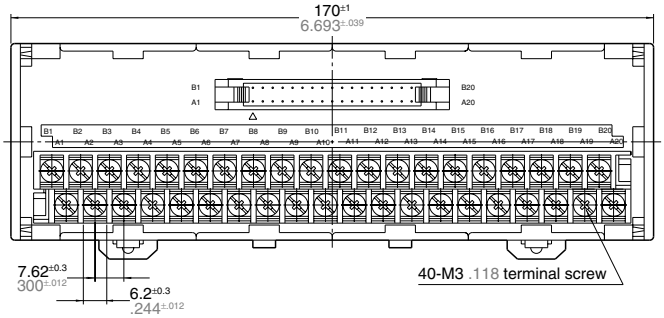
Pressure connector connect type (34 poles)
External dimensions



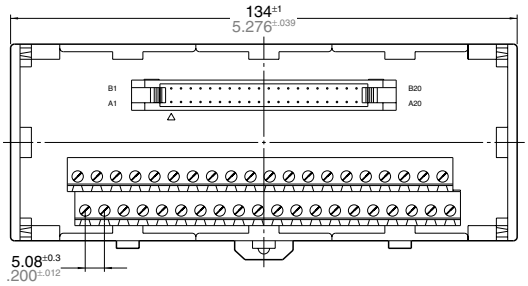
Wire-direct connect type (34 poles)
External dimensions



Pressure connector connect type (40 poles)
External dimensions

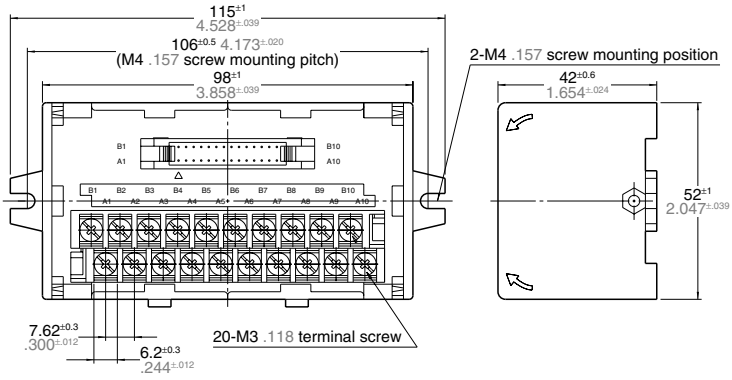


Wire-direct connect type (40 poles)
External dimensions

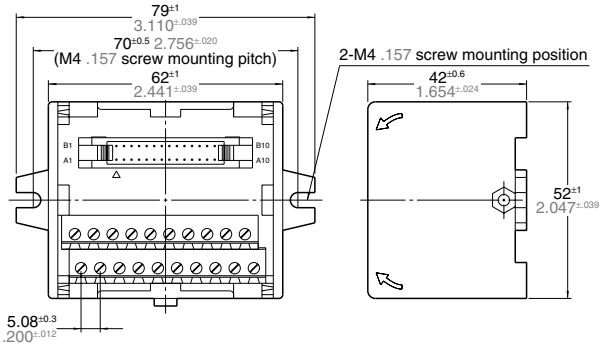


2. Direct mounting type

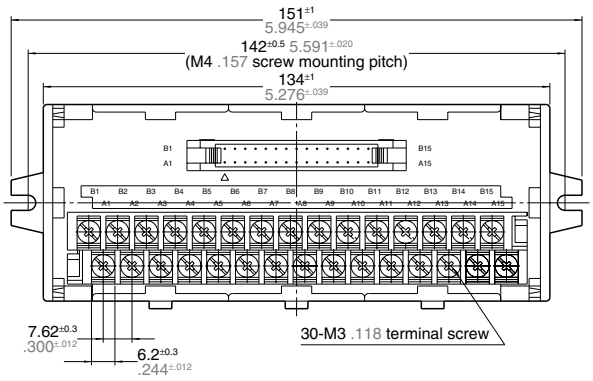
Pressure connector connect type (20 poles)
External dimensions



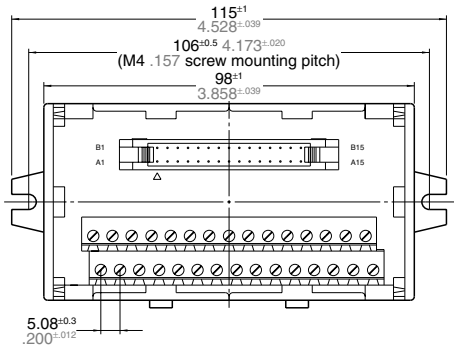
Wire-direct connect type (20 poles)
External dimensions



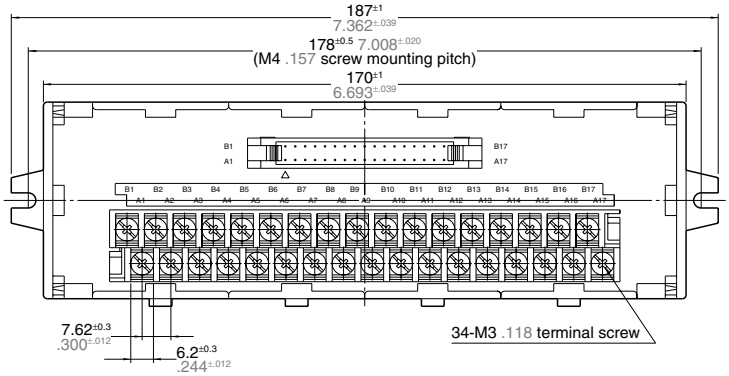
Pressure connector connect type (30 poles)
External dimensions



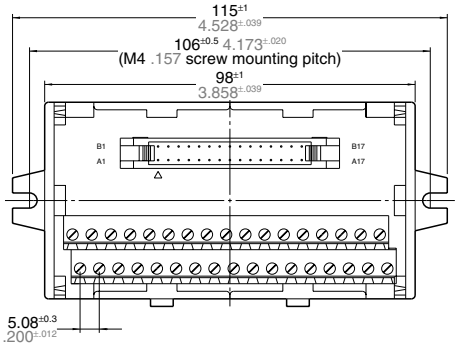
Wire-direct connect type (30 poles)
External dimensions



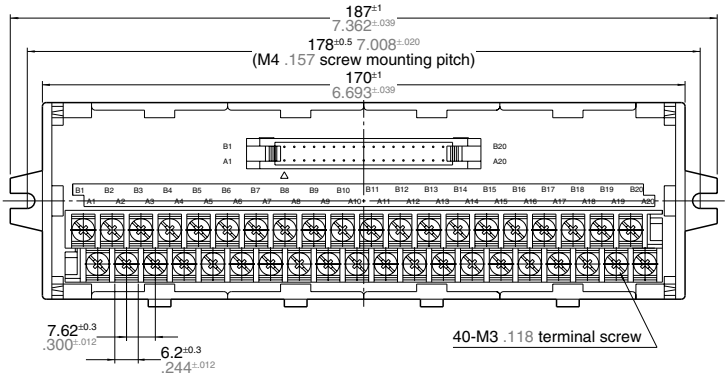
Pressure connector connect type (34 poles)
External dimensions



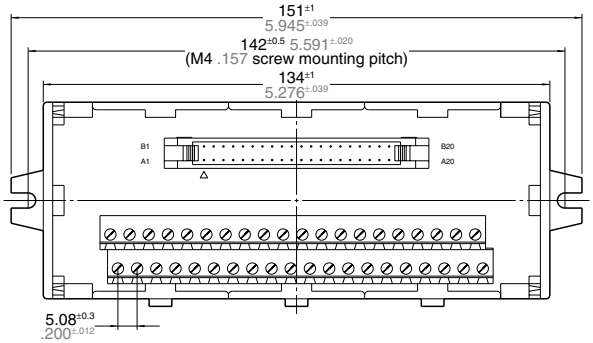
Wire-direct connect type (34 poles)
External dimensions



Pressure connector connect type (40 poles)
External dimensions

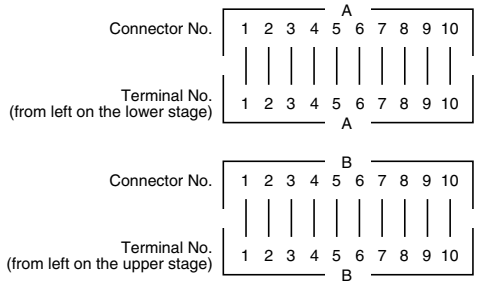


Wire-direct connect type (40 poles)
External dimensions

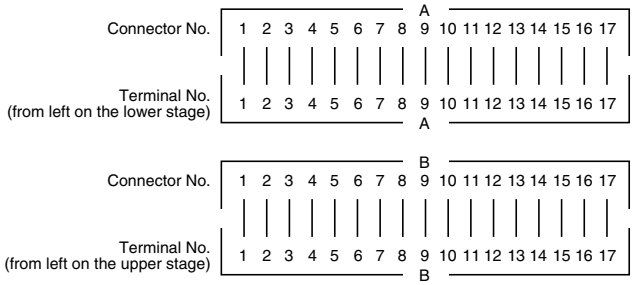


SCHEMATIC (Top View)

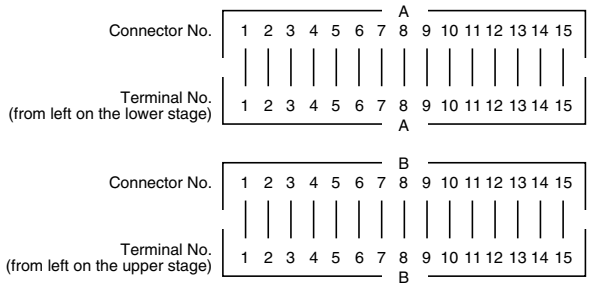
20 poles



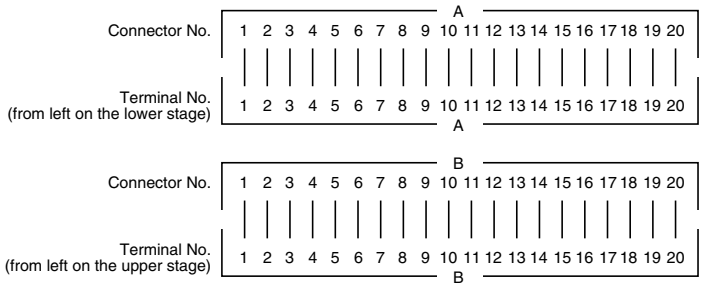
34 poles



30 poles



40 poles

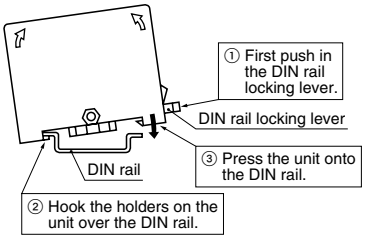


Discontinued
Last time buy: September 30, 2013

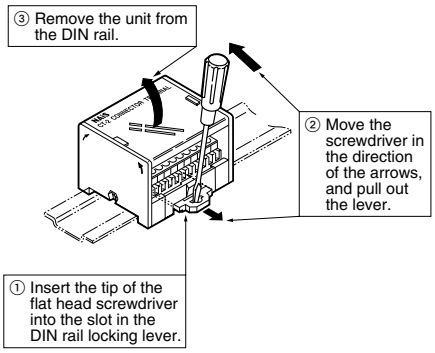
NOTES

1. Installation

1) Perform mounting hole cutout according to the mounting hole pattern.
2) When installing the unit on a DIN rail, use the DIN rail locking lever on the side of the unit. Installation is accomplished by simply fitting the unit onto the rail and pressing gently.



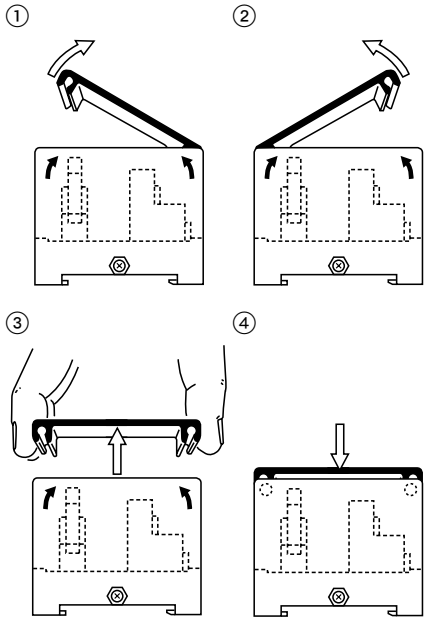
3) To remove the unit from the DIN rail, use a flat head screwdriver to pull out the DIN rail locking lever.



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

2. Removal of cover

1) Insertions and withdraws of connector can be done by lifting the cover like ①.
2) Wiring to the terminal can be done by lifting the cover like ②.
3) Removal of the cover can be done by lifting it like ③.
4) In case of resetting the cover, please push the cover like ④.



3. 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.

4. 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.

5. Transporting and storage

1) If the product is subjected to extreme vibration while being transported, the relays may become detached, the lead may become bent, and the unit may become damaged. Handle the carton and case 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.