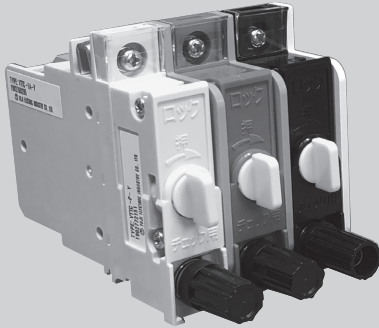




TEST TERMINALS

V-TYPE

VTTC type



FEATURES

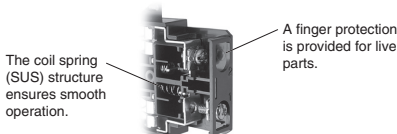
1

The test plug and lock plug connecting parts provide a **twin-contact** structure that enables secure connections.



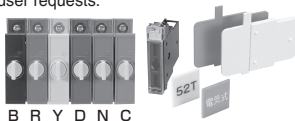
2

With the up-screw type terminals, the V type can prevent terminal screws from dropping, resulting in a reduced number of wiring steps. The finger protection structure protects the live parts, ensuring improved safety.



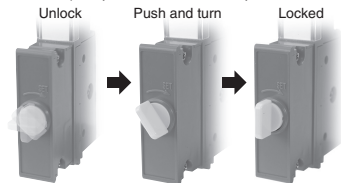
3

The V type terminals provide **color variations** depending on the application. A variety of protective caps and application labels are also available. These parts can be combined according to user requests.



4

The **one-touch lock mechanism** securely locks each terminal. You can lock and unlock a terminal by pushing and turning the knob (two actions), to prevent erroneous operation.

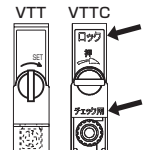


5

Banana plug specification added to voltage test terminals (check terminals). (VTTC type) **Direct operation** improves workability. *No screwdriver required.

6

The VTT type has a **separate voltage test terminal (check terminal)** and **lock mechanism** for safe removal. VTTC type has an additional mark to identify the locking mechanism and the check terminal.



SPECIFICATION (RATINGS AND PERFORMANCE)

Specification	Type	VTT · VTL · VTTC
Rated insulation voltage (Ui)		250V
Rated current-carrying capacity (Ith)		20A
Max. wire size		5.5mm ²
Screw size		M4×9 (Up-screw type)
Power-Frequency withstand voltage	Between live parts and mounting panel Between live parts	2,000V AC / 1 min.
Rated impulse withstand voltage	Between live parts and mounting panel Between live parts	±7kV / 3 times for each pole (1.2 / 50 μs) ±4.5kV / 3 times for each pole (1.2 / 50 μs)
Insulation resistance	Between live parts and mounting panel Between live parts	1,000 MΩ or more (by insulation resistance meter, 1,000 V DC)
Overload resistance		800 A for 2 sec. (Twice at one-min. intervals)
Contact resistance (Initial value)		10 mΩ max.
Insertion / removal durability		3,000 operations or more
Ambient operating temperature		-20 to 50°C
Storing temperature		-40 to 85°C
Altitude		2,000 m or less

HOW TO ORDER

Ordering a single product

[Voltage test terminal] with voltage check terminal

VTT-1A-B

Basic type
Test terminal
No. of poles
1~7 poles

Code	Separator
A	None
B	Provided (right side)

Color

Code	Munsell color	Color
B	N1.5	Black
N	7.5BG4/1.5	Gray

[Trip lock terminal]

VTL-1A-B

Basic type
Trip lock
No. of poles
1~7 poles

Code	Separator
A	None
B	Provided (right side)

Color

Code	Munsell color	Color
B	N1.5	Black
R	7.5R4.5/14	Red
Y	5Y8/12	Yellow
D	7.5BG3/3.5	Blue green
N	7.5BG4/1.5	Gray
C	2.5YR5/8	Brown

[Voltage Trip lock terminal (Knob type)]

VTTC-2A-BB-BP

Basic type
Voltage Trip lock
(Knob type)
No. of poles
1~7 poles

Code	Separator
A	None
B	Provided (right side) For voltage: White For voltage Trip lock terminal: Orange

Code	Plug specification
BP	For voltage (black unit only), plug type: Bnana plug connection possible
No code	For voltage Trip lock plug type: Bnana plug connection not possible

Color

Code	Munsell color	Color
B	N1.5	Black
R	7.5R4.5/14	Red
Y	5Y8/12	Yellow



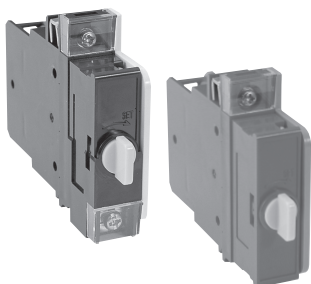
TEST TERMINALS

V-TYPE

HOW TO ORDER

Ordering products of combination

1 Combination of a terminal and a separator



[Voltage test terminal]

Type code **VTT-1 B-B**

No. of poles	with separator	Color
-----------------	-------------------	-------

[Trip lock terminal]

Type code **VTL-1 B-R**

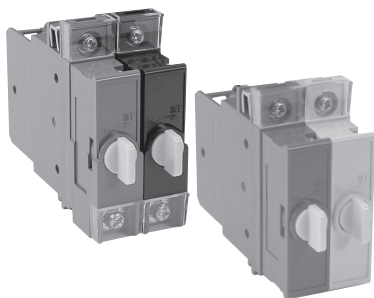
No. of poles	with separator	Color
-----------------	-------------------	-------

[Terminals for voltage and trip lock (knob type)]

Type code **VTTC-1 B-R**

No. of poles	with separator	Color
-----------------	-------------------	-------

2 Combination of two terminals



[Voltage test terminal]

Type code **VTT-2 A-NB**

No. of poles	with separator	Color (Front view, from the left side)
-----------------	-------------------	--

[Trip lock terminal]

Type code **VTL-2 A-RY**

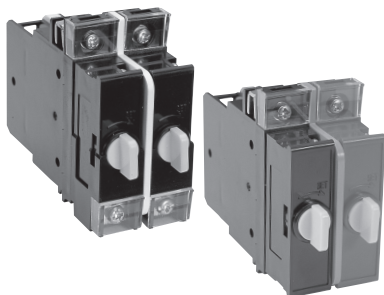
No. of poles	with separator	Color (Front view, from the left side)
-----------------	-------------------	--

[Terminals for voltage and trip lock (knob type)]

Type code **VTTC-2 A-BB**

No. of poles	with separator	Color (Front view, from the left side)
-----------------	-------------------	--

3 Combination of two terminals and one separator



[Voltage test terminal]

Type code **VTT-1B1A-BB**

Combination type (Front view, from the left side)	Color
--	-------

[Trip lock terminal]

Type code **VTL-1B1A-BR**

Combination type (Front view, from the left side)	Color
--	-------

[Terminals for voltage and trip lock (knob type)]

Type code **VTTC-1B1A-BB**

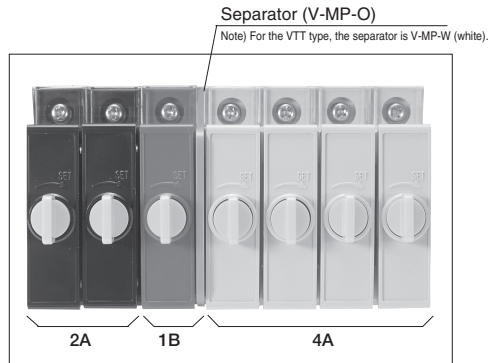
Combination type (Front view, from the left side)	Color
--	-------

Combination type list

Code No. of poles	□ A (No separator)	□ B (With separator on the right side)	□ B □ A (With separator between terminals)
1 pole	1 A	1 B	
2 poles	2 A	2 B	1 B 1 A
3 poles	3 A	3 B	2 B 1 A
4 poles	4 A	4 B	3 B 1 A
5 poles	5 A	5 B	4 B 1 A
6 poles	6 A	6 B	5 B 1 A
7 poles	7 A	7 B	6 B 1 A

Type code for combination orders other than those listed on the left

4 Combination of seven terminals and one separator



[Trip lock terminal]

Type name **VTL-2A1B4A-BBRYYYY**

Combination type

Color
(Front view,
from the left side)

REQUEST FOR COMBINATION ORDERS

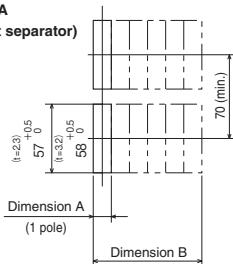
- The VTT and VTL terminals can be combined. However, to order this combination, issue orders for individual types.
- Eight or more poles can be combined. However, to order multiple terminals, divide your order by the number of poles within seven poles.
- For the combination dimensions of the A and B types, contact Fuji Electric Industry.

MOUNTING PANEL CUTOUT DIMENSIONS

■ A mounting panel with a thickness of 2.3 mm or 3.2 mm can be applied.

● Type A

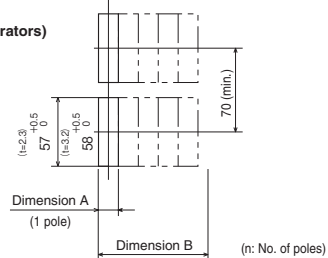
(without separator)



Dimension A (for only one pole) $13.5^{+0.5}_0$
Dimension B (for multiple poles) $13.2+15.2(n-1)^{+0.5}_0$

● Type B

(with separators)



Dimension A (for only one pole) $15.5^{+0.5}_0$
Dimension B (for multiple poles) $13.2+15.2(n-1)^{+0.5}_0$ + No. of separators

* The separator width is 2 mm each.



TEST TERMINALS

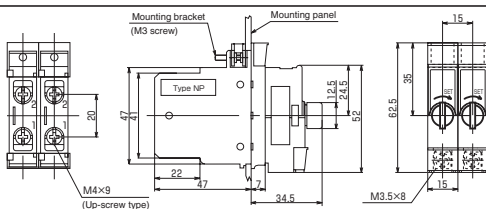
V-TYPE

STANDARD PRODUCTS

VTT- No. of poles **A** Color



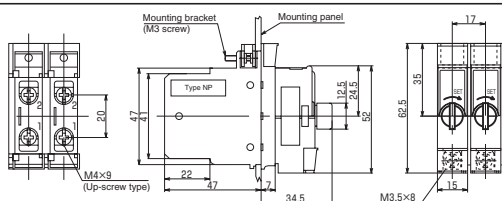
Voltage check terminal



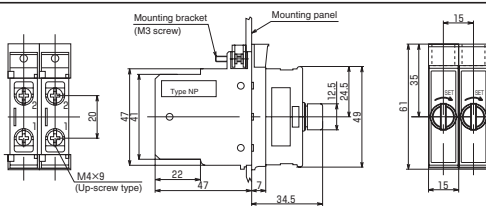
VTT- No. of poles **B** Color



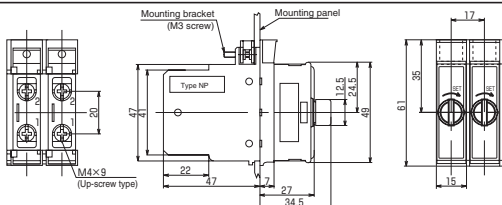
Voltage check terminal



VTL- No. of poles **A** Color



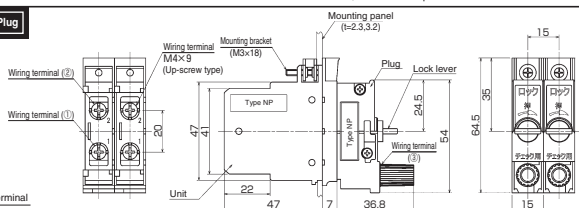
VTL- No. of poles **B** Color



VTTC- No. of poles **A** Color Plug



Voltage check terminal



VTTC- No. of poles **B** Color Plug



Voltage check terminal

