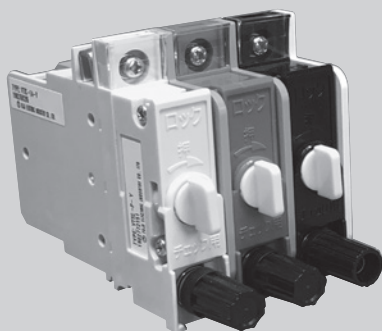




TEST TERMINALS

V-TYPE

VTTC type



FEATURES

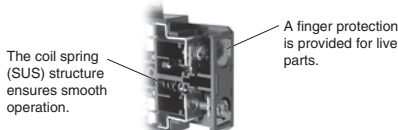
1

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



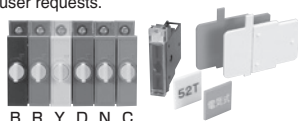
2

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.



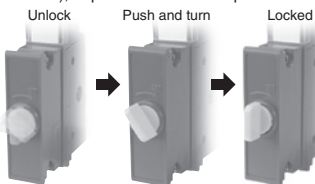
3

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.

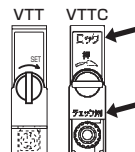


5

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



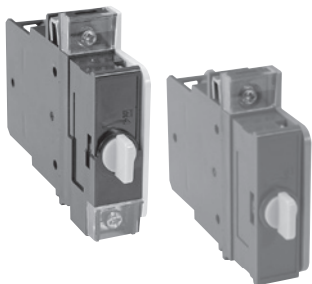
TEST TERMINALS

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**

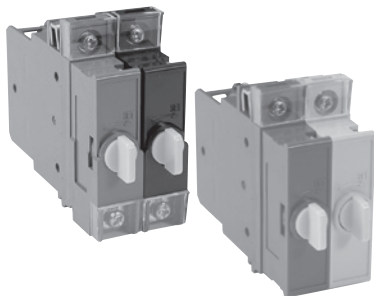
No. of poles | with separator | Color

[Trip lock terminal]

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

No. of poles | with separator | Color

2 Combination of two terminals



[Voltage test terminal]

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

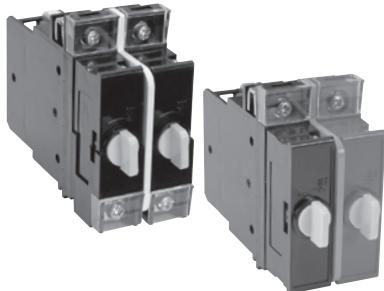
No. of poles | no separator | Color (Front view, from the left side)

[Trip lock terminal]

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

No. of poles | no 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**

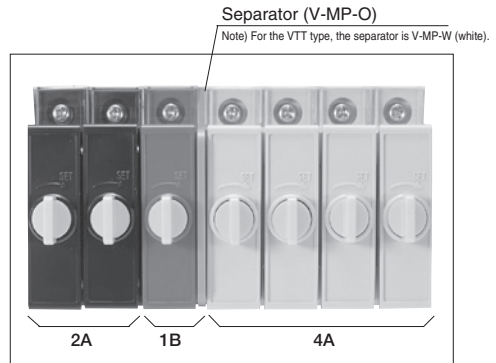
Combination type (Front view, from the left side) | Color

■ 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

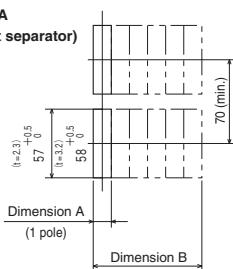
- The VTT and VTL terminals can be combined. However, to order this combination, issue orders for individual types.
- Eight or more poles can be combined. However, to order multiple terminals, divide your order by the number of poles within seven poles.
- For the combination dimensions of the A and B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

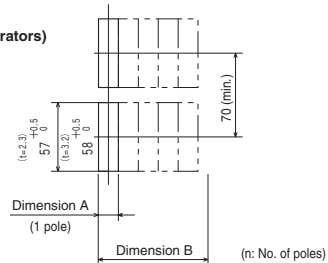
(without separator)



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

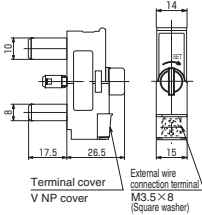
* The separator width is 2 mm each.

ACCESSORIES

Plug for VTT

●VTT-P-[B]

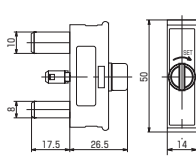
Code	Munsell color	Body color
B	N1.5	Black
N	7.5BG4/1.5	Gray



Plug for VTL

●VTL-P-[B]

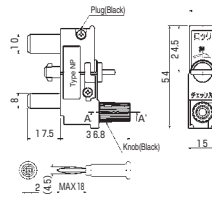
Code	Munsell color	Body color
B	N1.5	Black
R	7.5R4.5/14	Red
Y	5Y8/12	Yellow
D	7.5BG3/3.5	Blue green
N	7.5BG4/1.5	Gray
C	2.5YR5/8	Brown



Plug for VTTC

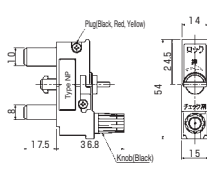
●VTTC-P-[B]-BP *B only

Code	Munsell color	Body color
B	N1.5	Black



●VTTC-P-[B]

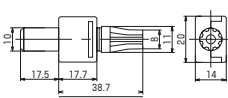
Code	Munsell color	Body color
B	N1.5	Black
R	7.5R4.5/14	Red
Y	5Y8/12	Yellow



Test terminal

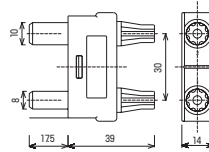
●VTT-X-[BP]-[B]

Code	Specification
B	(blank) Crimp terminal connection
BP	Banana plug connection



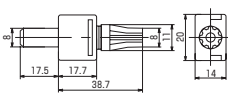
●VTT-X-[BP]

Code	Specification
(blank)	(blank) Crimp terminal connection
BP	Banana plug connection



●VTT-Y-[BP]-[B]

Code	Specification
B	(blank) Crimp terminal connection
BP	Banana plug connection



Code	Munsell color	Knob color
B	N1.5	Black
Y	5Y8/12	Yellow

Protective cap

●V-CAP-[00]

Code	Base color	Character color	Indicated character
00	Clear	—	—
01	White	Red	LOCKED
02	White	Orange	LOCKED
03	White	Red	UNDER TESTING
04	White	Orange	UNDER TESTING
05	White	Red	NOT USED
06	White	Red	NOT USED
07	White	Orange	NOT USED



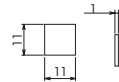
Nameplate

●V-NP-[W]-[000]

1: NP color	2: Character specification (Round Gothic)
Code Base color	Code Character
W White	000
B Black	
R Red	
S Blue	
G Green	

●V-NP-[B]-[023]-[W]

1: NP color	2: Character specification (Round Gothic)	3: Character color
Code Base color	Code Character	Code Character color
B Black	023	W White
	024	

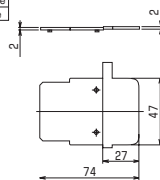


Separator

●V-SP-[0]

Code	Munsell color	Remarks
O	2.5YR6/12	Orange
W	—	White

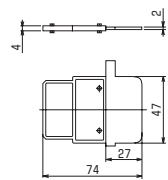
Right side plate



●V-MP-[0]

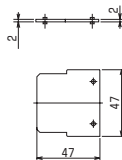
Code	Munsell color	Remarks
O	2.5YR6/12	Orange
W	—	White

Center plate



Joint plate

●V JP



NP cover, Terminal cover

●V-NP Cover

