

PLUG TYPE TEST TERMINAL



(Type M)

The K type plug-in Test Terminal is chiefly mounted on the power board. Using a standard connected to the Test Plug, the meters and relays of the power board can be calibrated and tested from the front. The Test Terminal is of the flush type and can be mounted neatly on the board. The voltage plug and current plug have entry of different shape to eliminate cross-plugging. The plate, visible on the front panel, is bluish green or black coloured (Munsell code 7.5BG4/1.5, N1.5) fine molding.

FEATURES

■ **Wide selection of types.**

2P, 3P, 4P, Plugs and terminals for PT and CT circuit are available.

Patent pending

■ **High dielectric strength, flame resistance**

Employing NORYL by G.E.Co. which has the best characteristics among plastics for general use as housing material of plugs and terminals.

It attains high dielectric strength, high flame and impact resistance.

■ **Easy mounting**

Designed for easy and quick front panel mounting. Can be mounted with a screwdriver without another person's help.

■ **Safety Construction**

The Test Terminal for C.T. circuit is open circuit-proof during engagement with the plug, and that for P.T. circuit is proof against power source misconnection when plugging.

Both of these Test Terminals are misplugging-proof.

■ **Perfect contact**

Assures highly reliable contact by the pressure spring employed.

■ **Capable of testing meters and relays**

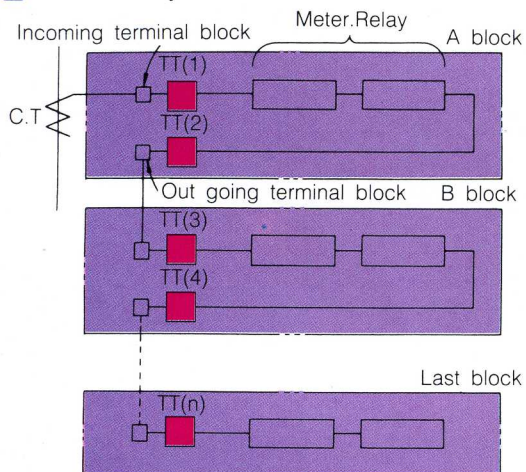
Both of PT and CT circuit type can be tested by applying test power source.

TYPE DESIGNATIONS

	P	BASE	PLUG
CTT	2 P	J K T - A 2 B	J K Q - A 2 H
	3 P	J K T - A 3 B	J K Q - A 3 H
	4 P	J K T - A 4 B	J K Q - A 4 H
PTT	2 P	J K T - V 2 B	J K Q - V 2 H
	3 P	J K T - V 3 B	J K Q - V 3 H
	4 P	J K T - V 4 B	J K Q - V 4 H

Checking for disconnection and dielectric breakdown of internal circuit of power board.

CT secondary circuit

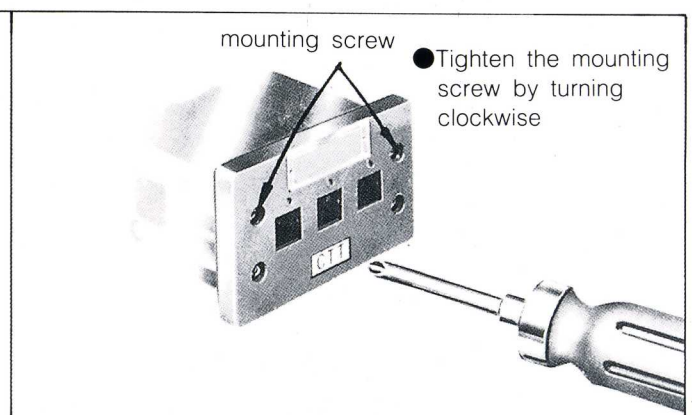
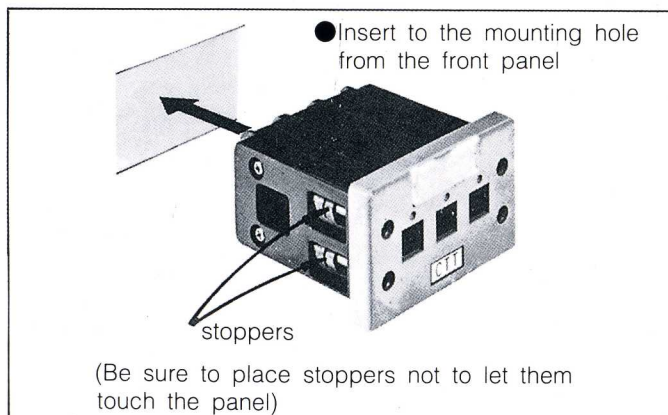


- ❶ Connect the insulation resistance meter to TP(1) and TP(2) of the Test Plug.
- ❷ Then insert these Test Plug to Test Terminals TT(1) and TT(2), and measure A block.
- ❸ Measure from B block to the last block in the same way.
- ❹ Thus the result of insulation resistance test on each block is obtained.

❖note

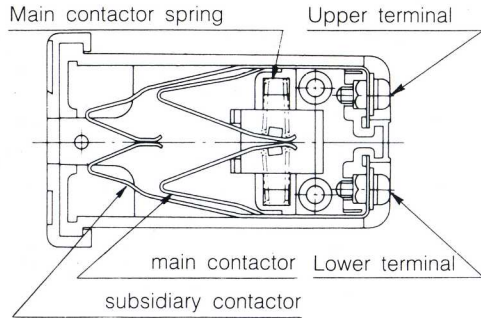
All CT primary circuit should be closed with short-bar (B) before plugging

MOUNTING



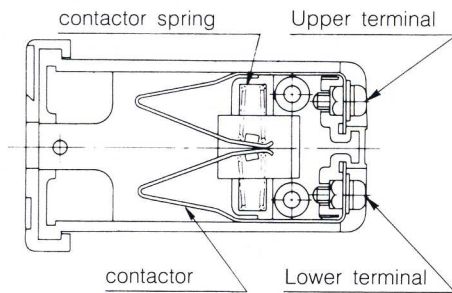
CONSTRUCTION & DIMENSIONS

Current Contactor



Main contactor remains closed when the inserted plug reaches and opens subsidiary contactor. Then Subsidiary contactor becomes closed before the plug reaches and opens main contactor. Therefore, one of the two contactors is always closed, so that the CT circuit is always kept closed.

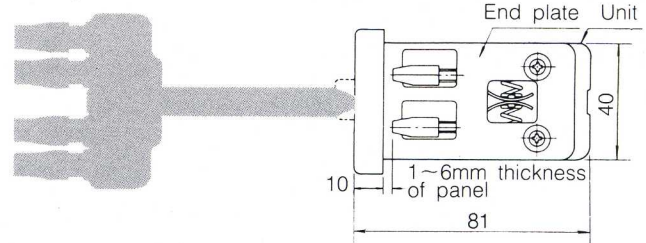
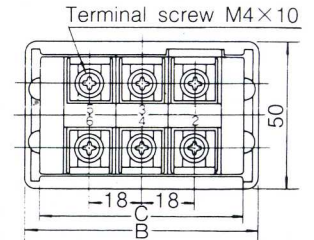
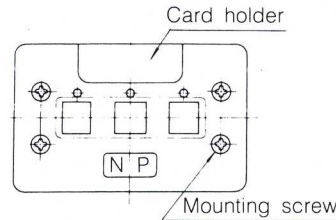
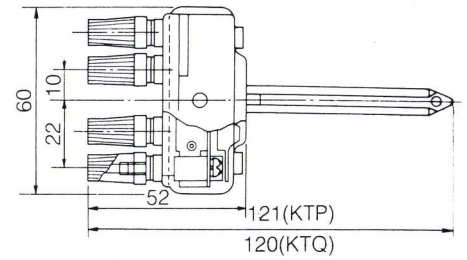
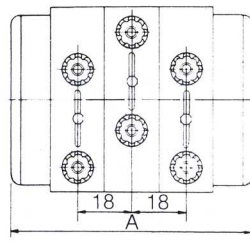
Voltage Contactor



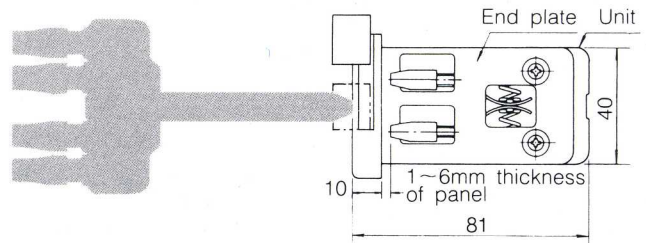
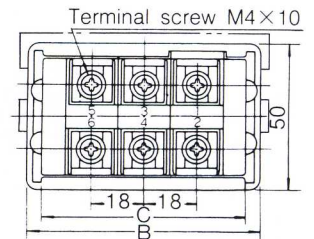
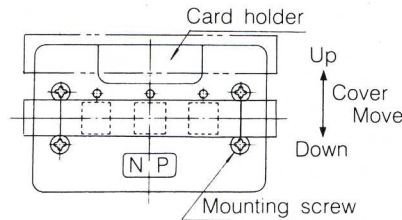
The contactors are opened by the inserted plug. The circuit is kept open until the contacts of the plug contact with the contactors, preventing miscontact with the power supply. Voltage circuit testing with a double contactor mechanism should be used to make voltage measurement while the circuit is kept closed with the plug inserted. (e.g. KTT-VW2B)

Current measurements

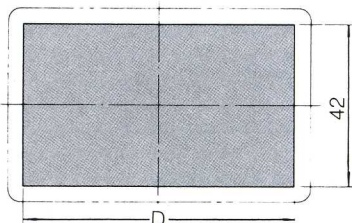
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MOUNTING HOLE



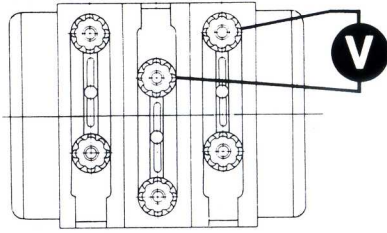
Size

size \ poles	2P	3P	4P	6P	8P
A	62	80	98	134	170
B	62	80	98	134	170
C	52	70	88	124	160
D	54	72	90	126	162

OPERATION & TESTING

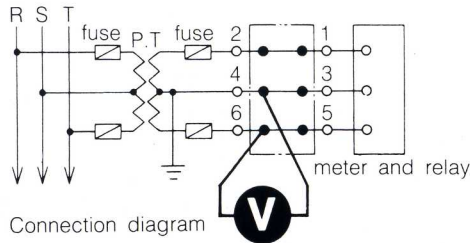
Current and Voltage measurements

Voltage measurements

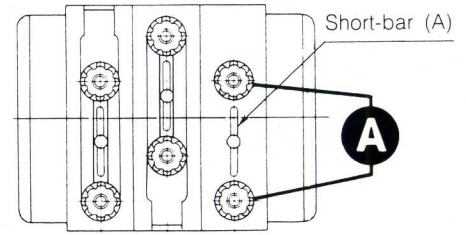


- 1 Make short-circuit with short-bar between phases (upper and lower terminals inphase)
- 2 Connect voltmeter circuit between phases to be measured.
- 3 Insert the plug to the terminal after these connections are completed.

❖note
It is dangerous to close secondary circuit of PT. Check before plugging.

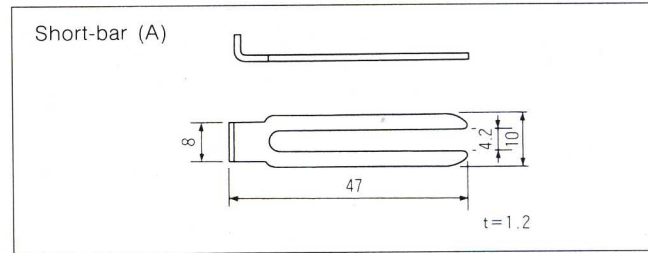
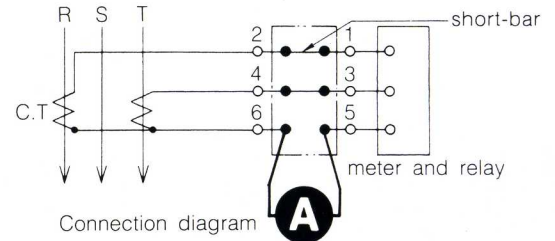


Current measurements



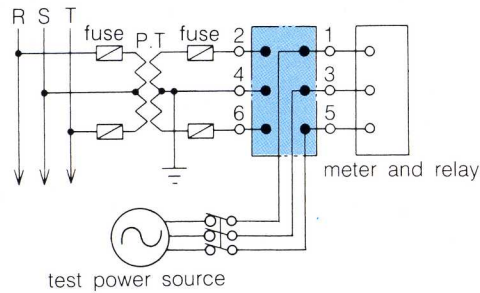
- 1 Connect ammeter circuit between poles to be measured.
- 2 Close the rest of phases with short-bar (A).
- 3 Insert the plug to the terminal after connection is completed.

❖note
It is dangerous to open the CT circuit. Do not insert the plug without checking its connection beforehand.



Calibration of meters and testing of relays by applying test power source

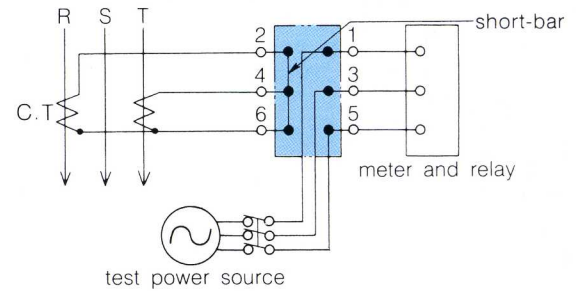
In case of voltage circuit



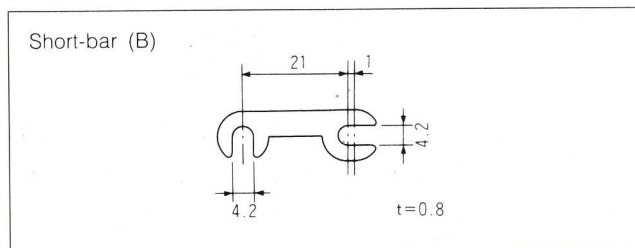
- 1 Connect test power source to the upper terminals of the voltage plug.
- 2 Leave lower terminals open.
- 3 Insert the plug to the test terminal after connection is completed, and proceed to calibrations or testings.

❖note
Reconfirm the connection of test power source before plugging. Connection (upper and lower) not reversible.

In case of current circuit



- 1 Connect test power source to the upper terminals of current plug.
- 2 Close lower terminals of the plug with short-bar (B) to prevent CT circuit from opening.
- 3 Insert the plug to the test terminal after connection is completed, and proceed to calibrations.



❖note
Reconfirm the connection of test power source before plugging. Connection (upper and lower) not reversible.

