

We are manufacturing variety of series terminals- link type , stud type with M4 or M5 studs and also disconnectable type for CT shorting. We have also developed relay test terminal block as well as test plug for testing relays without disconnecting panel wiring.

Details of present ranges and ranges under development can be furnished on request.



CERTIFICATE OF TESTING

Work Order No. : WO/ETL/123/07-08
Date : 05.02.2008

CERTIFICATE No. : CT/ETL/073/07-08
Date of Testing : 15-02-2008
Page No.: 1 of 2

Test Item: Series Terminals Sleeve Type - 3 nos

Tested for: M/S. DEEPL Electricals Pvt. Ltd. Gola No. 14, Ground Floor,
Aghadi Industrial Estate, Marol Maroshi Road, Andheri (E), Mumbai- 400 059
Tested at: IDEMI, Mumbai. 400 022

Specification of Items Under Test	Specification of Standards Used
Manufacturer : M/s. Deepl Electricals Pvt. Ltd. Mumbai-59 Condition of Item on receipt : Good Range /Rating / Size: M4/M5 1100 V Model/Markings, Sr.No.: Deepl Electrcals Pvt. Ltd. Accuracy : N.A	1) RE High votage tester Range:0 to 5KV,AC Acc: $\pm 2.5\%$ 2) GANZ Insulation Tester Range. 0 To 1000M Ohms Acc: $\pm 2.5\%$ 3) Omega Thermocouple Thermometer,USA Model 727 C, Type "K" 4) Zaran High Current Test Set Traceability: Standard Used for Testing is Traceable to NPL, New Delhi

Ambient Conditions :

Temperature : $25^{\circ}\text{C} \pm 2.5^{\circ}\text{C}$ Relative Humidity : 35% to 65%

Remarks : Please refer page 2 to for Test Results.

- 1) Procedure of Test : The above mentioned item is tested as per OP - ETL - 010 / 011 / 019
- 2) In reporting results Uncertainty in Measurement is considered at 95% CL

S.G.KHALADKAR
QUALITY MANAGER
AUTHORISED SIGNATORY

(Note : This certificate refers only to the particular item(s) submitted for testing. The certificate should not be reproduced except in full without the prior permission from the Principal Director IDEMI, Mumbai - 400 022)

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वैधुतिक मापन उपयंत्र अभिकल्प संस्थान

Institute for Design of Electrical Measuring Instruments

SWATANTRYAVEER TATYA TOPE MARG, CHUNABHATTI, SION P.O. MUMBAI - 400 022.

स्वातंत्र्यवीर तात्या टोपे मार्ग, चुनाभट्टी, सायन डाकघर, मुंबई-400 022.



वैद्युतिक मापन उपयंत्र अभिकल्प संस्थान, मुंबई - 400 022.

INSTITUTE FOR DESIGN OF ELECTRICAL MEASURING INSTRUMENTS, MUMBAI - 400 022.

ELECTRICAL TESTING LABORATORY

Certificate for Sr. No.: ---

Date of Testing: 15-02-2008

Certificate No.: CT/ETL/ 73 /07-08

Page No.: 2 of 2

Test Result of: Series Terminals Sleeve Type.

1 Temperature Rise Test :

An AC, 50 Amp, 50 Hz was passed through the terminals till steady state temperature was achieved. The temperature rise was measured at the following points.

Ambient Temp. 25.7°C

- | | |
|--|----------|
| (1) Terminal for external Insulated Conductor. | - 49.3°C |
| (2) Insulated Body. | - 18.2°C |

2 Insulation Resistance Test :

By applying 500V DC between following points for 1 minute the IR values measured were as below.

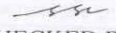
- | | |
|---|----------------------|
| (1) Between two Terminals. | - Above 2000 M.Ohms. |
| (2) Between all Terminals shorted together& Mounting Channel. | - Above 1500 M.Ohms. |

3 Di-electric Test:

An AC, 2 KV, 50 Hz RMS was applied between following points for 1 minute.

- | |
|---|
| (1) Between two Terminals. |
| (2) Between all Terminals shorted together& Mounting Channel. |

Test Result - With stood the High Voltage


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CERTIFICATE OF TESTING

Work Order No. : WO/ETL/123/07-08
Date : 05.02.2008

CERTIFICATE No. : CT/ETL/072/07-08
Date of Testing : 15-02-2008
Page No. 1 of 2

Test Item: Series Terminals M4 Stud Nut Runner - 3 nos

Tested for: M/S. DEEPL Electricals Pvt. Ltd. Gala No. 14, Ground Floor,
Aghadi Industrial Estate, Marol Maroshi Road, Andheri (E), Mumbai- 400 059
Tested at: IDEMI, Mumbai. 400 022

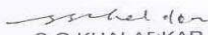
Specification of Items Under Test	Specification of Standards Used
Manufacturer : M/s. Deepl Electricals Pvt. Ltd. Mumbai-59 Condition of Item on receipt : Good Range /Rating / Size: M4/M5 1100 V Model/Markings, Sr.No.: Deepl Electrcals Pvt. Ltd. Accuracy : N.A	1) RE High vottage tester Range:0 to 5KV,AC Acc: $\pm 2.5\%$ 2) GANZ Insulation Tester Range: 0 To 1000M Ohms Acc: $\pm 2.5\%$ 3) Omega Thermocouple Thermometer,USA Model 727 C, Type "K" 4) Zaran High Current Test Set Traceability: Standard Used for Testing is Traceable to NPL, New Delhi

Ambient Conditions :

Temperature : $25^{\circ}\text{C} \pm 2.5^{\circ}\text{C}$ Relative Humidity : 35% to 65%

Remarks : Please refer page 2 to for Test Results.

- 1) Procedure of Test : The above mentioned item is tested as per OP - ETL - 010 / 011 / 019
- 2) In reporting results Uncertainty in Measurement is considered at 95% CL


S.G.KHALATKAR
QUALITY MANAGER
AUTHORISED SIGNATORY

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ELECTRICAL TESTING LABORATORY

Certificate for Sr. No.: ---
Date of Testing: 15-02-2008

Certificate No.: CT/ETL/ 72 /07-08
Page No.: 2 of 2

Test Result of: Series Terminals M4 Stud Nut runner.

1. Temperature Rise Test:

An AC, 50 Amp, 50 Hz was passed through the terminals till steady state temperature was achieved. The temperature rise was measured at the following points.

Ambient Temp. 25.7 °C

- | | | | |
|-----|--|---|---------|
| (1) | Terminal for external Insulated Conductor. | - | 34.5 °C |
| (2) | Insulated Body. | - | 19.1 °C |

2. Insulation Resistance Test:

By applying 500V DC between following points for 1 minute the IR values measured were as below.

- | | | | |
|-----|---|---|--------------------|
| (1) | Between two Terminals. | - | Above 2000 M.Ohms. |
| (2) | Between all Terminals shorted together& Mounting Channel. | - | Above 1500 M.Ohms. |

3. Di-electric Test:

An AC, 2 KV, 50 Hz RMS was applied between following points for 1 minute.

- | | |
|-----|---|
| (1) | Between two Terminals. |
| (2) | Between all Terminals shorted together& Mounting Channel. |

Test Result - With stood the High Voltage


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