500 Volts 20A, 32A & 63A, Type DEEPL-20, DEEPL-32 &DEEPL-63

TESTED AS PER IS: 13703 Part I at IDEMI BOMBAY FOR

- High Voltage Test
- Insulation Resistance Test
- Temperature Rise Test
- Milli Volt Drop Test

RATING:
DEEPL moulded fuse fitting type DEEPL20, DEEPL32 & DEEPL63 are of 20A, 23A & 63A, 500V rating only. They are available for front connection from two ends and for back connection or bus bar mounting.

FEATURES:

- Base & Carrier Moulded from High Grade Phemolic Moulding Powder.
- Base & Carrier Moulding are non-inflammable and non-hygroscopic surface, hard glass Finish Black.
- Phosphos Bronze contact to ensure firm contact with base; Contact block made of brass.
- Visible fault indication through window on carrier.
- Single piece brass base contact block with adequate hole suitable for aluminium cable.
- Spare fuse carriers also available.
- Possible to provide LED Indication for 'Fuse Blown' Condition.

CERTIFICATE
OF
TESTING

Work Order No. : WO/ETL/053/07-08
Date : 27.08.2007

CERTIFICATE No. : CT/ETL/036/07-08
Date of Testing : 07.09.2007 to 13.09.2007

Test Item: Front & Back Connected Fuse Holder-2 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 Electrical Pvt. Ltd. Mumbai-59 Condition of Item on reciept : Good Range /Rating / Size: 20A, 500V Model/Markings, Sr.No.: Refer Test Report Accuracy : N.A	1) RE High votage tester Range:0 to 5KV,AC Acc: ± 2.5% 2) GANZ Insulation Tester Range: 0 To 10,000M Ohms Acc: ± 2.5% 3) Fluke" Thermocouple Thermometer, Model-54 II Range: -200°C to +1372°C (Type K) Acc: ± (0.05% of rdg +0.3°C) 4) Zaran High Current Test Set (0-500A) 5) Environmental Chamber Blue Star Tenny Chamber(DryHeat Damp Heat) Temp :-65 Cto200 C Humidity 35% to 95%

Ambient Conditions :

Temperature : 25°C ± 2.5°C Relative Humidity : 35% to 65%

Remarks : Please refer page 2 to 3 for Test Results.

1) Procedure of Test : The above mentioned item is tested as per

2) Total Uncertainty in Measurement at 95% CL N.A.

S.G.KHALADKAR
QUALITY MANAGER
AUTHORISED SIGNATORY

A GOVERNMENT OF INDIA SOCIETY
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.

वैधुतिक मापन उपयंत्र अभिकल्प संस्थान, मुंबई – 400 022.

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

ELECTRICAL TESTING LABORATORY

Certificate for Sr. No.: --
Certificate No.: CT/ETL/036/07-08
Date of Testing: 07.09.2007 to 13.09.2007

Test Result of: Front & Back Connected Fuse Holder- 2 Nos each

1. **MARKING**
   On Base: DEEPL Electrical Pvt. Ltd. – 500V-AC, 20A
   On Fuse Carrier: DEEPL Electrical Pvt. Ltd. – 500V AC, 20A

2. **Di-electric Strength Test:**

   The test Voltage of 2.5kV AC, 50Hz was applied progressively for one minute
   a) Between Live parts and frame with the fuse link and device for replacing it on the fuse carrier, if any in position
   b) Between the terminals when the fuse link and the device for replacing it or fuse carrier, if any are measured.

   Result: No breakdown or flash over occurred for all the samples.

3. **Insulation Resistance Test:**

   The Fuse Holders of each type (2 nos.) were subjected to humid atmospheric conditions in humidity cabinet. The temperature of the cabinet was maintained at 30°C and Relative Humidity at 95%. The samples were kept in this conditions for 48 hours.
   After end of test applying 500V DC for one Minute between following points

Test Points of Fuse Holders	Front Connected		Back Connected	
	Sample 1	Sample2	Sample 1	Sample2
Between two live terminals	Above 5000M-Ohm	Above 5000M-Ohm	Above 5000M-Ohm	Above 5000M-Ohm
Between both terminals shorted together & body	Above 5000M-Ohm	Above 5000M-Ohm	Above 5000M-Ohm	Above 5000M-Ohm

Result: Comply

CHECKED BY [signature]

TESTED BY [signature]

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ELECTRICAL TESTING LABORATORY

Certificate for Sr. No.: --
Date of Testing: 07.09.2007 to 13.09.2007

Certificate No.: CT/ETL/036/07-08

Test Result of: Front & Back Connected Fuse Holder – 2 Nos each

4. **Temperature Rise Test:**

The Fuses were mounted in free air. 20A, AC 50Hz was passed through the Fuses & the Temperature was measured at the following points after stabilization.

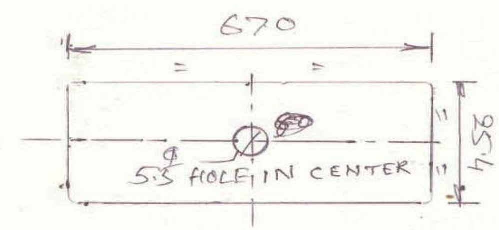
Test Points of Fuse Holders	Front Connected		Back Connected	
	Sample 1 (Temperature in ºC)	Sample2 (Temperature in ºC)	Sample 1 (Temperature in ºC)	Sample2 (Temperature in ºC)
Ambient	28	28	28	28
Terminals	45-28= 17	46-28 =18	60-28=32	62.5-28=34.5
Body	36 -28 =8	38 -28 =10	51-28=23	46-28=18

CHECKED BY

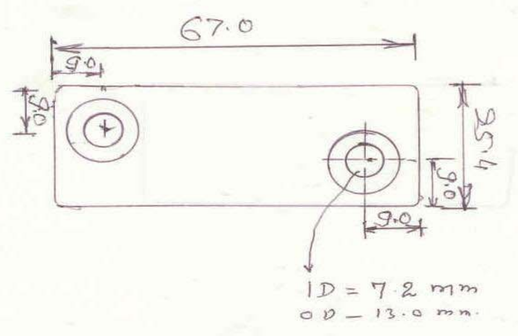
TESTED BY

DEEPL Electricals Private Limited
D125 Ansa Industrial Estate Saki Vihar Road Mumbai 400072

FRONT CONNECTION FUSE FITTING 20A.



BACK CONNECTION FUSE FITTING 20A



Sketches giving details of front and back connected 20A Fuse fittings

Address: D125, Ansa Industrial Estate, Saki Vihar Road, Saki Naka, Mumbai 400072, India
Tel:- Off: 2858 1158
Res: 28570829 / 2623 6011
Fax: 28570829/ 2623 6011
Mobile: 9324421029 / 9324236011
Website: www.deepl.co.in