CERTIFICATE OF TESTING

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

CERTIFICATE No, : CT/ETL/032/07-08
Date of Testing : 07.09.2007 to13.09.2007
Page No.: 1 of 7

Test Item: Test Terminal Block a. 3 phase 4 wire Front Connected -3DA-1 No.
b. 3 phase *A* wire Back Connected -50A-2 No.
c. 3 phase 3 wire Back Connected -50A-1 No.

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

Tested aV. IDEMt, Mumbai. 400 022

Specification of items Under Test	Specification of Standards Used
Manufacturer : M/s, Deepl Electrical Pvt. Ltd. Mumbai-59	1) RE High votage tester RangerO to 5KV.AC Ace: ± 2.5%
Condition of Item on .-adept : Good	2) GANZ Insulation Tester Range: 0 To 1Q.000M Ohms Ace: ±2.5%
Range /Rating / Size : a) 3GA. b)50A c)50A	3) Fiuke" Thermocouple Thermometer, Model-54 It Range. -200°C to +1372°C (Type K) Ace: ± (0.05% ort rdg +0.3°C1
Model/Markings, Sr.No.: a) Deepl Elect, fp) Ltd. 3 phase -4VWre1100V 30 A *b)* Deepl Elect (P) Ltd. 3 phase 4 wire 110 00 V 50A c) Deepl Elect. (P) Ltd. 3Phase3wire 1100V 50 A	4) Zaran High Current Test Set (0-50QA) 5) Environmental Chamber Blue Star Tenrty Chamber (Dry Heat Damp Heat) Temp: -65 to200 C humidity 35%to95%
Accuracy : N.A	

Ambient Conditions :

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

Remarks : Please refer page 2 to 7 for Test Results.

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

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.

IDEMI

वैधुतिक मापन उपयंत्र अभिकल्प संस्थान, मुंबई - 400 022.

INSTITUTE FOR DESIGN OF ELECTRICAL MEASURING INSTRUMENTS, MUMBAJ - 400022.

ELECTRICAL TESTING LABORATORY

Certificate for Sr. No: -
Certificate No.: *CT/BTU032/07-QS*
Date of Testing: 07.09.2007 to 13.09.2007

Test Result of: a) 3- Phase- 4 Wire Terminal Block (Front Connected) 30A- INo.

1. Markings:
   Mould Marking on front Side : Test Termiriai Block 3 phase 4 wire
   of Terminal Block Cover DeepL Electrical Pvt. Ltd.
   1100 Volts - 30 A

2. Insulation Resistance Test:

   After applying 500V DC between the points given below for one Minute the IR value measured were as follows.

   i) Between two live Terminals - 1000 M-ohm
   ii) Between terminals shorted together &. body - 1000 M-ohm

3. Di -electric Strength Test:

   An AC, 2.5 KV, 50 Hz RMS was applied between the points given below for one minute. H witfi stood the High Voltage.

   i) Between two live terminals
   it) Between all terminals shorted together &, body

4. Insulation Resistance at 40"C

   Terminal Block was kept in the chamber anti Temperature was adjusted to 40°C and it was maintained for 1 hour and at the end of one hour applying 500V DC between the points given below for one Minule the IR Value measured were as follows.

   0 Between two live Terminals - SOOOM-ohm
   ii) Between all terminals shorted together & b<>dy - 5000M-ohm

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TESTBDfiVC'

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ELECTRICAL TESTING LABORATORY

Certificate for Sr. No.; -

Certificate No.: CT/ETL'0J2/Q7-G8

Date of Testing: 07.09.2007 to 13.09.2007

Test Result of: a) 3- Phase- 4 Wire Terminal Block (Front Connected) 30A- INo

5. **Insulation** Resistance at **Dry** Heat (80*C)

   The chamber was adjusted to 8G°C and then Terminal Block was kept their for one hour and at the end of one hour applying 500V DC between the points given below for one Minute the IR Value measured were as follows.

   i) Between two live terminals - 5000 M-ohm
   II) Between all terminals shorted together & body - 5000 M-ohm

6. Temperature Rise Test

   Temperature rise was measured at 30 Amp. Current (till stable tetnp was achieved) at the following points.

   Ambient Temp: 28°C

   a) Terminal for external insulated conductor - 2I°C
   b) External enclosure - IO°C

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ELECTRICAL TESTING LABORATORY

Certificate for Sr. No.: -

Certificate No.: CT/ETL/032/07-08

Date of Testing: 07.09.2007 to 13-09.2007

PageNo.: 4 of 7

Test Result of: b) 3- Phase- 4 Wire *Terminal* Block (Back Connected) 50A- 2Nos.

1. Markings:

   Mould Marking on front Side : TesL Terminal Block 3 phase 4 wire
   of Terminal Block Cover Deepl Electrical Pvt. Ltd.
   " 1100 Volts -5QA

2. Insulation Resistance Test:

   After applying 500V DC between the points given below for one Minute the IR value measured were as follows.

   i) Between two live Terminals - 2000 M-ohm
   ii) Between terminals shorted together &, body - 1500 M-ohm

3. Pi -electric Strength Test:

   An AC, 2.5 KV, 50 Hz RMS was applied between the points given below for one minute. It with stood the High Voltage.

   i) Between two live terminals
   ii) Between all terminals shorted together & body

4. instilaiioc Resistance at 40°C

   Terminal Block was kept in the chamber and Temperature was adjusted to 40°C and H was maintained for 1 iiour and at the end of one hour applying 500V DC between the points given below for one minute the IR. Value measured were as follows.

   i) Between two live Terminals - 5000M-ohm
   ii) Between all terminal shorted together *& body* - 5O0OM-obm

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ELECTRICAL TESTING LABORATORY

Certificate for Sr. No.: -

Certificate No.: CT/ETfy032/07-08

Date of Testing: O7.09.2QQ7 to 13.09.2007

Test Result of: b) 3- Phase- 4 Wire Terminal Block (Back Connected) 50A~ 2Nos

5. Insulation Resistance at Dry Heat (80C)

The chamber was adjusted to 80°C and then Terminal Block was kept their for one hour and at the end of one hour applying 500V DC between the potnis given below for one Minute the IR Vaiue measured were as follows.

\) Between two live terminals - 5000 M-ohm
ii) Between all terminals shorted together & body - 5000 M-ohm

6. Temperature Rise Test

Temperature rise was measured at 50 Amp. Current (fill stable temp was achieved) at the following points.

Ambient Temp: 23°C

c) Terminal for external insulated conductor - 22°C
d) External enclosure -]0°C

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ELECTRICAL TESTING LABORATORY

Certificate for Sr. No.: -
Certificate No.: CT/ETL/032/07-08
Date of Testing: 07.09.2007 to 13.09.2007

Test Result of: c) 3- Phase- 3 Wire Terminal Block (Back Connected) 50A- INos.

1. Markings:
   Mould Marking on front Side : Te^t Terminal Block 3 phase 3 wire
   of Terminal Block Cover Deepl ElectricaU Pvt. Ltd.
   1100 Volts-50A

2. Insulation Resistance Test:

   After applying 500V DC between the points given below for one Minute the IR value measured were as follows.

   i) Between two live Terminals - 1000 M-ohm
   ii) Between terminals shorted together & body - 1000 M-ohm

3. Di -electric Strength Test:

   An AC, 2.5 KV, 50 Hz RMS was applied between the points given below for one minute. Ji withstood the High Voltage.

   i) Between two live terminals
   ii) Bet .veert all terminals shorted together & body

4. Insulation Resistance at 40"C

   Terminal Block was kept in the chamber and Temperature was adjusted to 40^{D}C and ii was maintained for 1 hour and at the end of one hour applying 500V DC between the points given below for one Minute the IR Value measured were as *follow* s.

   i) Between two live Terminals - *5000M^ohm*
   ii)-Between-alUexniinaUhorted together & body - 5000M-ohm

f'HECKL-D BY TESTED BY

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ELECTRICAL TESTING LABORATORY

Certificate for Sr. No.: --
Certificate No.: CT/ETL/032/07-08
Date of Testing: 07.09.2007 to 13.09.2007

Test Result of: c) 3- Phase- 3 Wire Terminal Block (Back Connected) 50A- 1Nos

5. **Insulation Resistance at Dry Heat (80°C)**

   The chamber was adjusted to 80°C and then Terminal Block was kept their for one hour and at the end of one hour applying 500V DC between the points given below for one Minute the IR Value measured were as follows.

   i) Between two live terminals – 5000 M-ohm
   ii) Between all terminals shorted together & body – 5000 M-ohm

6. **Temperature Rise Test**

   Temperature rise was measured at 50 Amp. Current (till stable temp was achieved) at the following points.

   Ambient Temp : 22°C

   e) Terminal for external insulated conductor - 16°C
   f) External enclosure - 3°C

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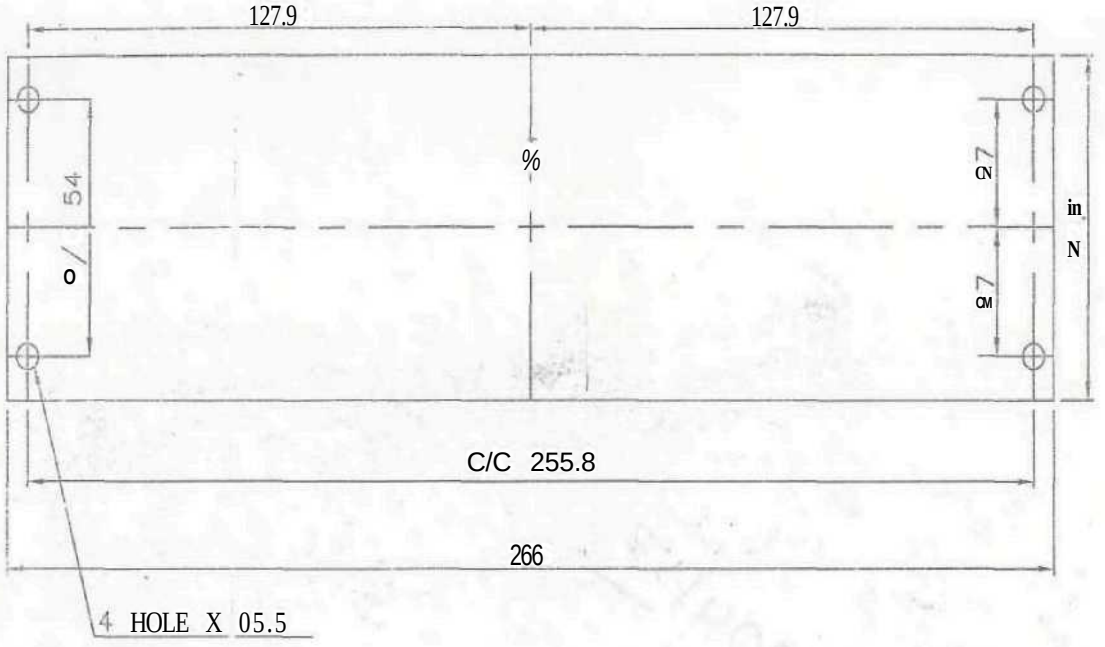
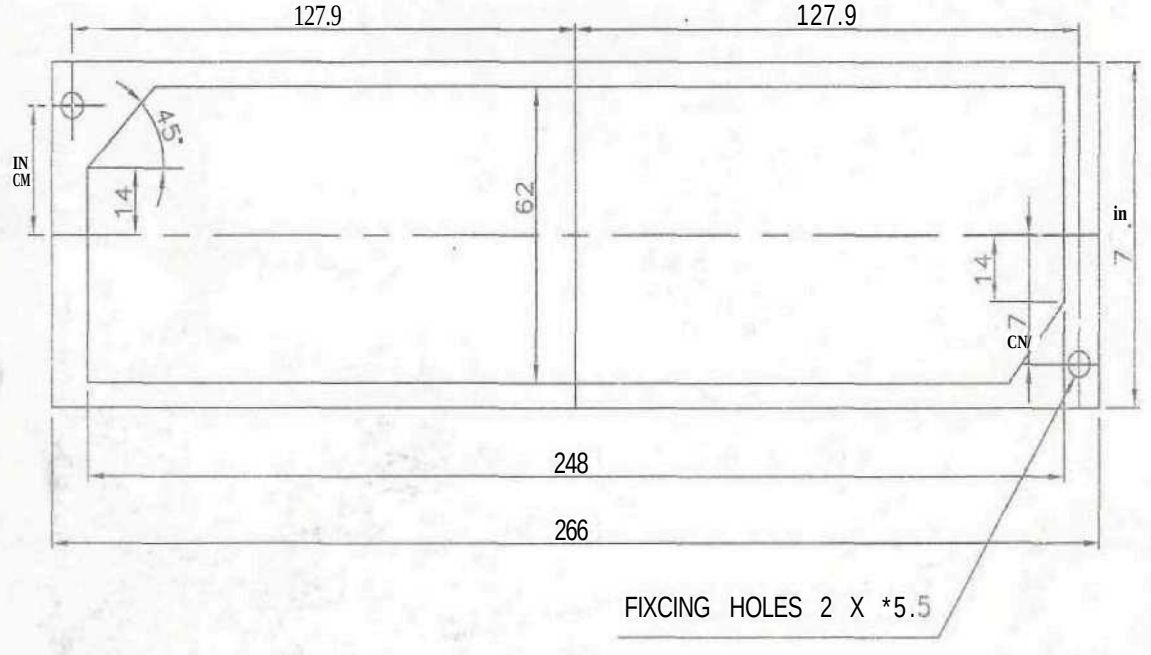
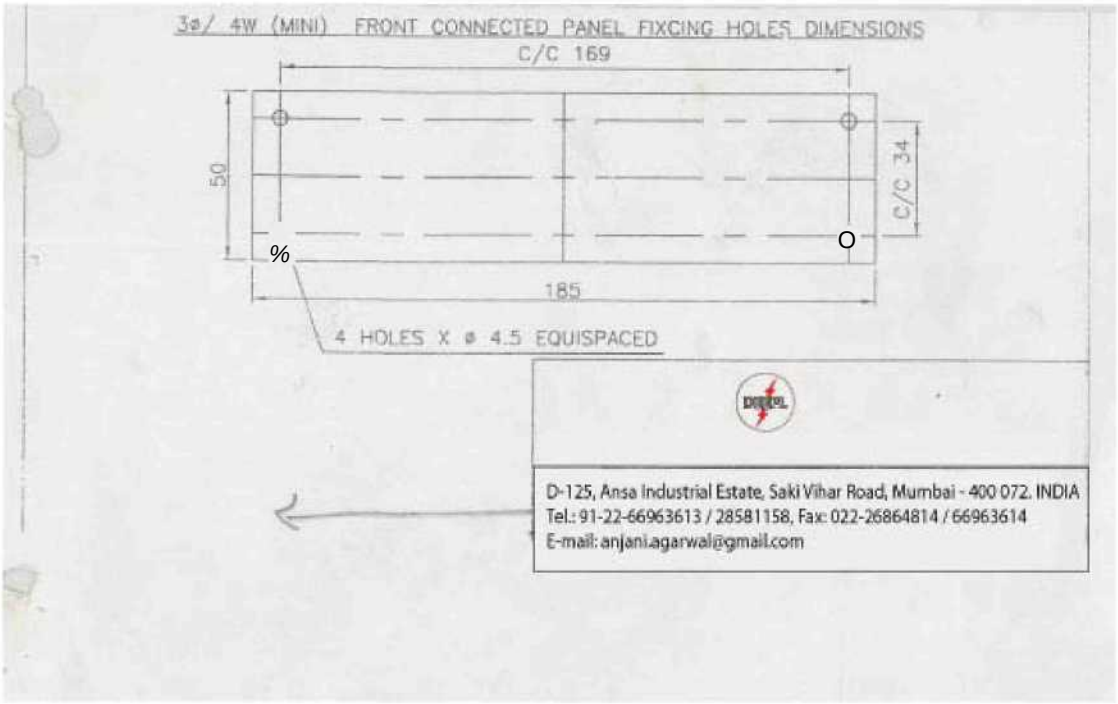
TESTED BY

3fl/ 4W (OLD) FRONT CONNECTED PANEL FIXING HOLES DIMENSIONS

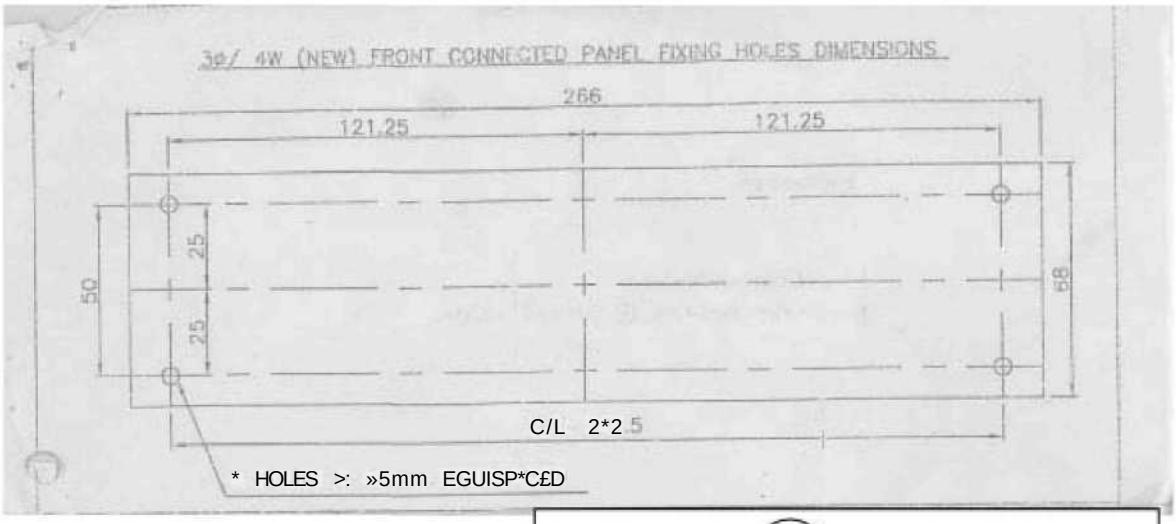


30/ 4W (OLD[1]) BACK CONNECTED PANEL CUT OUT VIEW





D-125, Ansa Industrial Estate, Saki Vihar Road, Mumbai - 400 072. INDIA
Tel.: 91-22-66963613 / 28581158, Fax: 022-26864814 / 66963614
E-mail: anjani.agarwal@gmail.com



D-125, Ansa Industrial Estate, Saki Vihar Road, Mumbai - 400 072. INDIA
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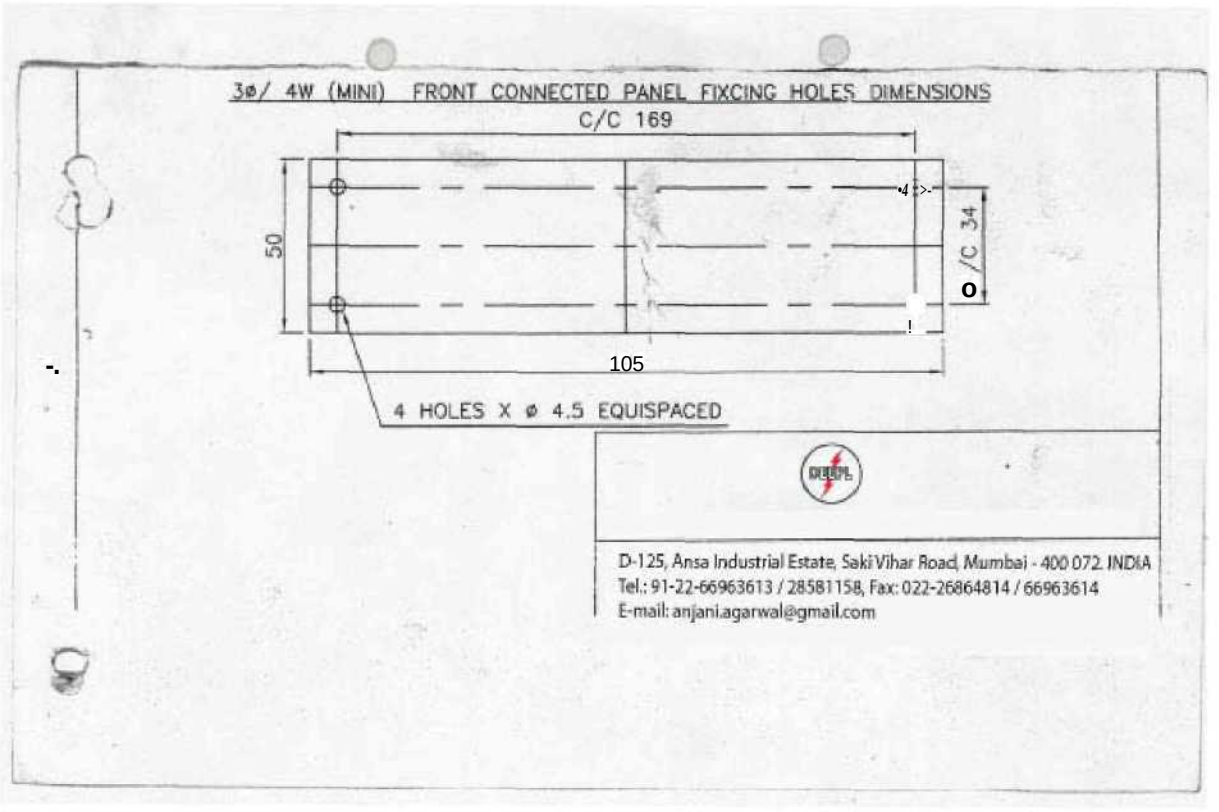
3ø/ 4W (MINI) FRONT CONNECTED PANEL FIXCING HOLES DIMENSIONS
C/C 169
50
C/C 34
105
4 HOLES X ø 4.5 EQUISPACED
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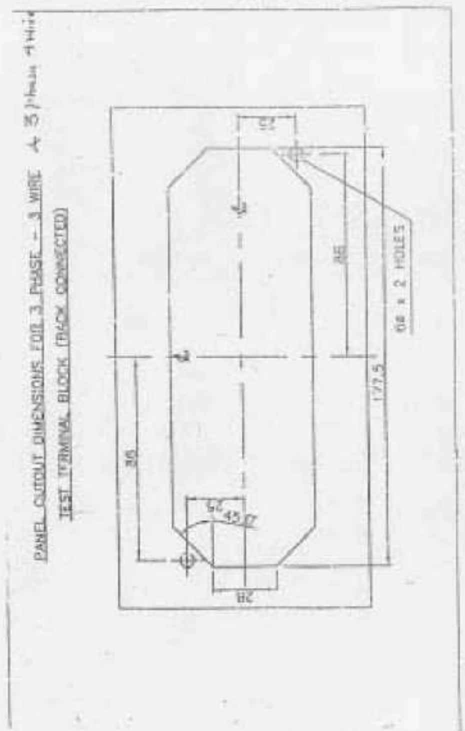
TEST TERMINAL BLOCK SUITABLE FOR / 3 PHASE 3 WIRE
AND ALSO 3 PHASE 4 WIRE (COMMON CUTOUT)



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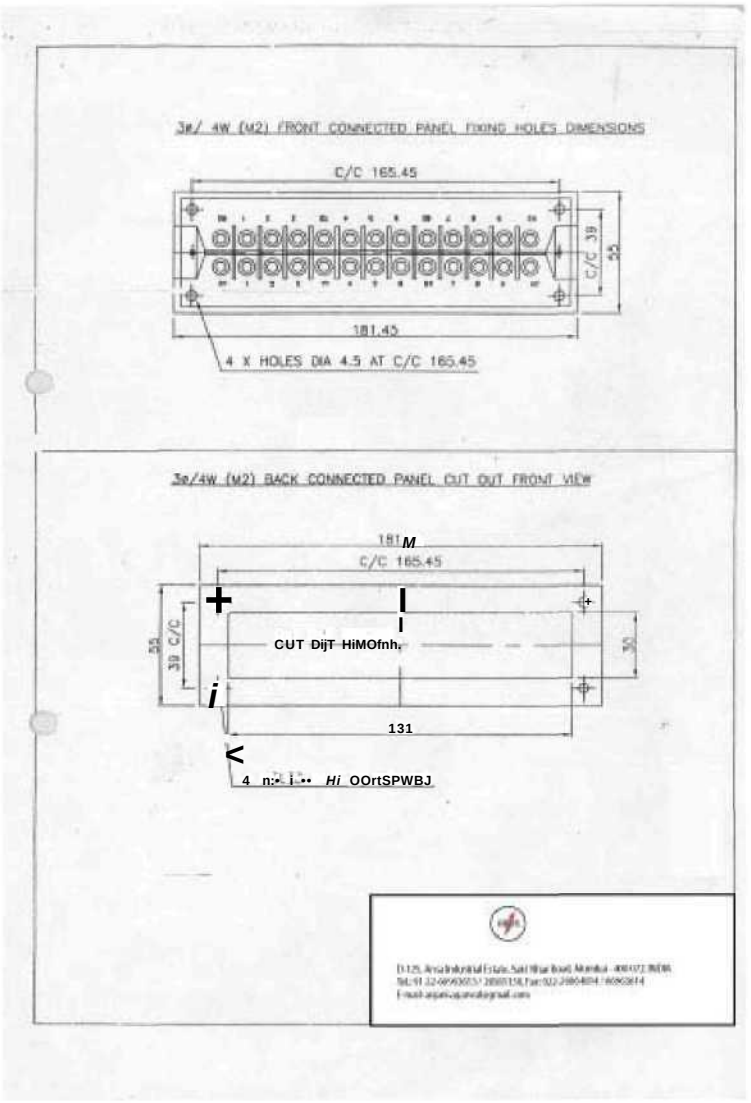

Address: D125, Ansa Industrial Estate, Saki Vihar Road, Saki Naka, Mumbai 400072, India
Tel:-Off: 2858 1158
Res: 28570829/2623 6011
Fax: 28570829/2623 6011
Mobile: 9324421029 / 9324236011
Website: www.deepl.co.in