

Test Report

No.: PB15154

Test object SAMsol®Array -24 String Inputs
(Art.-No.: SAMsol®Array 24-M2-V1-D400-2F16-1SG-GRP-65)

Client T. Egelkraut
Phoenix Contact Electronics GmbH
Industry Solutions Combinations

Testing laboratory Phoenix Contact GmbH & Co. KG
TRABTECH Laboratory
Flachmarktstraße 8
32825 Blomberg

Entry date of DUT 2015-06-18

Date of test 2015-06-30

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Responsible validator F. Schäfer

Number of pages in the test report 17

File name PB15154_Dielectric_and_Temperature_SCB 24-String

Article number – Part number SAMsol®Array 24-M2-V1-D400-2F16-1SG-GRP-65

Article condition New

Number of test item 1

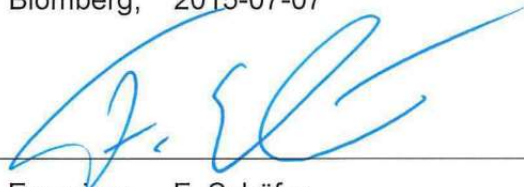
Performed test 10.9.2 Power-frequency withstand voltage
10.9.3 Impulse withstand voltage
10.10 Verification of temperature rise

Test specification / Standard IEC 61439-1

Test requirements /Chapter 10.9.2 Power-frequency withstand voltage
10.9.3 Impulse withstand voltage
10.10 Verification of temperature rise

Customer represented during the test by the following person Mr. Kamal and Mr. Dawaghreh

Blomberg, 2015-07-07



Examiner F. Schäfer



Released by T. Mundhenke

Subject to technical changes.

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Measuring uncertainty The measurement uncertainties resulting from the test method and used test equipment have been identified and can be provided on request.

Test location Phoenix Contact GmbH & Co. KG
 TRABTECH Laboratory
 Flachsmarktstraße 8
 32825 Blomberg

 Building 37 Test area 3

Ambient conditions

Temperature 21,5 °C
 Barometric pressure 1011 hPa
 Humidity 45 % rel. F.

Test equipment

Description	Equipment no.
PP26 Hochstromprüfanlage 600 A	PM094736B
Graphtec midi LOGGER GL820	PM094712B
GOSEN METRAWATT Metraclip 410	PM094803B
Agilent Oszilloskop DSO5012A	PM094459B
Agilent Oszilloskop DSO5012A	PM094155B
PMK Tastkopf PHVS 662-L 1000:1	PM094142B
PMK Tastkopf PHV 4002-3-P	PM094126B
Stehwechselfspannungsgenerator	PM050225B
Stoßspannungsgenerator IPG 1050	PM094024B