

VDE Prüf- und Zertifizierungsinstitut GmbH • Merianstraße 28 • D-63069 Offenbach

Dr. Thomas Block  
Product Manager  
Strategy and Business Development

SCHOTT Solar AG  
Hattenbergstr. 10,

D-55122 Mainz



Offenbach, 2011-07-14

Your ref.  
5003684

Your letter  
13.07.2011

Our ref. - please indicate  
FG82/rot

Contact  
Mr. Roth  
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Dear Dr. Block,

regarding your enquiry for a document which, since July 11<sup>th</sup> 2011, is requested in Italy by GSE (Gestore Servizi Energetici) under the name of "Factory Inspection Certificate", we can give you the following information:

In order to obtain a VDE-certificate it is mandatory to successfully pass a test in accordance with the relevant DIN VDE, EN, or IEC product standard.

The base is our PM 102-testing and certification procedure (a pdf file is available upon request).

Further more VDE requires a 100% routine test at the end of the line. The routine tests and requirements for PV-Modules are described in our PM 434 (a pdf file is available upon request).

Before a VDE-licence is issued, a successfully passed factory inspection at each factory listed in the certificate is needed (see PM 102, clause 5.4 and 5.5). To maintain the certificate an annual inspection in each listed factory is needed.

The base for the Inspections is the Document CIG 23, issued by the European Electrical Products Certification Association.

Concerning module identification, the following information given by Schott Solar are verified and kept on file at VDE:

**a) Product identification code:**

Each crystalline module label bears an individual 12 digit serial number, containing:

- a) Manufacturer identification code (digit 1 and 2)
- b) Module Line (digit 3 and 4)
- c) Consecutive Serial Number - 00000001 to 99999999 (digit 5 to 12)

A COMPANY OF THE  ASSOCIATION FOR ELECTRICAL, ELECTRONIC & INFORMATION TECHNOLOGIES

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Notified Body according to the Equipment and Product Safety Act (GPSG) for technical work equipment and consumer products. Notified body according to the EMC Directive 2004/108/EG for Electromagnetic Compatibility (EMC). Accredited by DAR accreditation bodies according to DIN EN ISO/IEC 17020, 17021, 17025 and DIN EN 45011. Accredited by: IEC - International Electrotechnical Commission - IECCE/CB, IECQ and CENELEC - European committee for Electrotechnical Standardization - CCA, HAR, ENEC.

A

Serial number:

1	2	3	4	5	6	7	8	9	10	11	12
a	a	b	b	c	c	c	c	c	c	c	c

The date of manufacturing is traceable by the consecutive serial number (digit 5 to 12).

**b) Manufacturer codes and addresses for European factories:**

Manufacturer and address can be traced by the first two digits of the product identification code as shown in the table below.

Manufacturer Identification Code	Manufacturer and address	Date of Last Factory Inspection
14	Schott Solar CR s.r.o., Solárni 870, CZ-757 01 Valassé Mezirici, Czech Republic	31.05.2011

As per VDE-licence 40025243 listed factory-locations

Each Module is completely assembled (Cell stringing, assembling, lamination and electrical tests) in the above-mentioned factory.

Best regards

VDE Prüf- und Zertifizierungsinstitut GmbH  
*VDE Testing and Certification Institute*  
 Section FG82



Arnd Roth