

VDE Prüf- und Zertifizierungsinstitut

AB Steeldesign GmbH
Brüsseler Straße 6

D-53842 Troisdorf-Spich

Offenbach, 1998-05-20

Your ref.
Jürgen Klein

Your letter
1997-05-20

Our ref. - please indicate
21408-9000-0001/22UH5
T15/rip-bhl-sas

Your contact
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Translation: In any case the German version shall prevail

Test Report for the information of the applicant

Testing of the degree of protection provided by enclosures of wall mounting cabinet

This test report contains only the results of a single investigation carried out on the product submitted. It is not a generally valid judgement by the VDE Testing and Certification Institute regarding the properties of similar products taken from current production. It does not apply to all VDE specifications applicable to the tested products. It does not entitle the applicant to use the VDE certification mark or the mark "GS = geprüfte Sicherheit (tested safety)".

This test report may only be passed to a third party in its complete wording including this preamble and the date of issue. Any publication or reproduction requires the prior written consent of the VDE Testing and Certification Institute.

1 Task

A test was carried out on 3rd June 1997 on the test samples indicated in no. 2 verifying the degree of protection provided by enclosures IP 66/69 K



2 Test samples

Wall mounting cabinet
Made of refined steel
Type EXE 1083 style FX

3 Base of Judgement

IEC 529 second edition 1989-11
Degree of protection provided by enclosures (IP-Code)
in conjunction with
DIN 40050 part 9
Road vehicles; degrees of protection (IP-Code); protection against foreign objects; water and contact;
electrical equipment.

4 Test results

Dust protected acc. to IEC 529	IP 6X	passed
Protected against powerful waterjets acc. to IEC 529	IP X6	passed
Protected against high pressure steam jet	IP X9 K	passed

The wall mounting cabinet made of refined steel complies with the requirements of IP 66/69 K.

5 Comments

The dust test was conducted in agreement with IEC 529 clause 13 category 1 with depression.

The IP X9 K test was carried out with a high pressure steam jet cleaner in acc. to DIN 40050 part 9 with a pressure of 100 bar and a water temperature of 80 °C.

The test time was 30 sec. per expansion joint between door and cover; test time for the locking device was also 30 sec.

After the tests no dust and no water entered into the wall mounting cabinet.

The tests were conducted on an empty cabinet.

VDE Testing and Certification Institute
Department TI

VDE Testing and Certification Institute · Institut VDE d'Essais et de Certification



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Nach dem Gerätesicherheitsgesetz (GSG) "zugelassene Stelle" für technische Arbeitsmittel.
Nach dem EMV-Gesetz "zuständige Stelle" für elektromagnet. Verträglichkeit (EMV) von Geräten.
Vom Bundesminister für Verteidigung anerkannte Prüfstelle für Bauelemente der Elektronik.
Von Akkreditierungsstellen im DAR nach DIN EN 45 001, 45 011 und 45 012 akkreditiert.
Akkreditiert durch: IEC – Internationale Elektrotechnische Kommission – IECEE/CCB, IECQ und
CENELEC – Europ. Komitee für elektrotech. Normung – CCA, HAR, LUM, EMEDCA und CECC.

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