TÜV NORD CERT

Certificate about the testing of the degrees of protection provided by enclosures

Testing laboratory
Safety of technical systems

Client:	Rolec Gehäuse-Systeme GmbH Kreuzbreite 2 D – 31737 Rinteln
Devices under test:	Enclosure series aluCase Types: AC 090, AC 092, AC 150, AC 152, AC 170, AC 172 ACF 110, ACF 112, ACF 130, ACF 132, ACF 150, ACF 152, ACF 170, ACF 172
Bases for evaluation:	EN 60529: 2000 Degrees of protection provided by enclosures (IP Code) Requirements towards system of protection IP 67 (Enclosures of category I; Dust test with negative pressure) DIN 40050-9:1993 Road vehicles; IP systems of protection; protection against foreign bodies, water and touching contact; electrical equipment Requirements towards system of protection IP 69K
Conductor of test:	A. Schmidt
Order number:	8000304022
Period of test:	bis 03.04.2003
Result:	The enclosure series aluCase fulfils the requirements of the degrees of protection IP IP 67 and IP 69K

TÜV NORD CERT GmbH & Co. KG
Am TÜV 1

D – 30519 Hannover

Hanover, 3 April 2003

on behalf A. Schmidt
Head of testing laboratory
Safety of technical systems

Deutscher Akkreditierungs Rat
Reg.-Nr. DAP–PL–2812.00

Labor für Umwelterprobung und Werkstoffprüfung

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TEST CERTIFICATE

Client ROLEC Gehäuse-Systeme GmbH
Kreuzbreite 2
D – 31737 Rinteln

Date of order 2009-02-25

TEST OBJECT

Enclosure of series aluCASE

Type AC 052	/ 1 piece	Type AC 054	/ 1 piece
Type AC 070	/ 1 piece	Type AC 072	/ 1 piece
Type AC 074	/ 1 piece	Type AC 092K	/ 1 piece
Type AC 094	/ 1 piece	Type ACF 110K	/ 1 piece
Type AC 200	/ 1 piece	Type AC 202	/ 1 piece

The certificate is valid in connection with the test report
No. 065a/09

The specimens were tested in accordance with DIN EN 60529 : 2000-09 to determine the degrees of protection IP Code 66 and 67.

Criteria for passing the tests

- IP 6X No dust shall enter into the enclosure.
- IP X6 No water shall enter into the enclosure.
- IP X7 No water shall enter into the enclosure.

TEST DECISION

The specimens have passed the above mentioned tests.

Leipzig, 2009-03-30

Laboratory for Environmental Testing and Testing Materials

Dr.-Ing. Frank Erler
Laboratory Manager

Deutscher Akkreditierungs Rat
DAR
Reg.-Nr. DAP–PL–2812.00

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TEST CERTIFICATE

Client ROLEC Gehäuse-Systeme GmbH
Kreuzbreite 2
D – 31737 Rinteln

Date of order 2009-02-25

TEST OBJECT

Enclosure of series aluCASE

Type AC 052	/ 1 piece	Type AC 054	/ 1 piece
Type AC 070	/ 1 piece	Type AC 072	/ 1 piece
Type AC 074	/ 1 piece	Type AC 092K	/ 1 piece
Type AC 094	/ 1 piece	Type ACF 110K	/ 1 piece
Type AC 200	/ 1 piece	Type AC 202	/ 1 piece

The certificate is valid in connection with the test report
No. 065a/09

The specimens were tested in accordance with DIN 40050–9 : 1993–05 to determine the degree of protection IP Code 6K9K.

Criteria for passing the tests

- IP 6KX No dust shall enter into the enclosure.
- IP X9K No water shall enter into the enclosure.

TEST DECISION

The specimens have passed the above mentioned tests.

Leipzig, 2009-03-30

Laboratory for Environmental Testing and Testing Materials

Dr.-Ing. Frank Erler
Laboratory Manager