



(1) **EC-TYPE-EXAMINATION CERTIFICATE**
(Translation)

(2) Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres

(3) EC-type-examination Certificate Number:

TÜV 04 ATEX 2472

(4) Equipment: Control and distribution box, type ..-../..

(5) Manufacturer: Mitex Handels- und Produktions GmbH

(6) Address: Holsteinstraße 32, D-23812 Wahlstedt

(7) This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) The TÜV NORD CERT GmbH & Co.KG notified body No. 0102 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II to the Directive.

The examination and the test results are recorded in the confidential report Nr. 05 YEX 550672

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 50014:1997 + A1 + A2

EN 50018:2000 + A1

EN 50019:2000

EN 50281-1.1 :1998 + A1

(10) If the sign « X » is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate

(11) This EC-type-examination Certificate relates only to the design and construction of the specified equipment in accordance with Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and supply of this equipment.

(12) The marking of the equipment shall include the following:

 IIGD Eex de II B or IIC T3 – T6 or T* °C IP **

HANNOVER, 30.08.2005
TÜV NORD CERT GmbH & CO. KG
Am TÜV 1
30519 Hannover
Tel.: +49(0) 511 986-1455
Fax: +49(0) 511 986-1590

(13)

Schedule

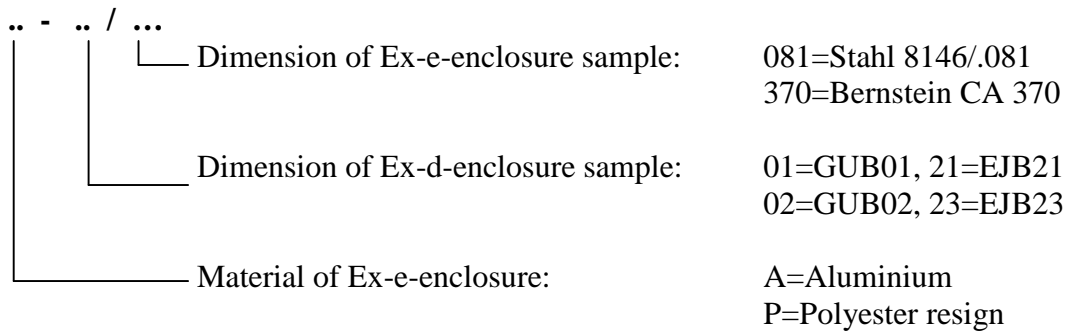
(14) **EC-TYPE-EXAMINATION CERTIFICATE TÜV 04 ATEX 2472**

(15) **Description of equipment**

The control and distribution box type . . - ../... concerns the combination of empty enclosure with type of protection flameproof enclosure (Ex-d) and increased safety (Ex)e.

Both enclosure populated with electrical or electronical equipment.

Type label



Technical data

The construction of this control and distribution boxes and the marking are different as follows:

Ambient temperature range	-20 °C to +40 °C for T6 -20 °C to +55 °C for T3-T5
---------------------------	---

Schedule EC-Type-Examination Certificate TÜV 04

The following housing combinations may be possible:

Table1:

EEx-e housings	dimensions	EEx-d housings IIC GUB (W) 01	EEx-d housings IIC GUB (W) 011	EEx-d housings IIC GUB (W) 02	EEx-d housings IIC GUB (W) 03
CA270	160x160x90	X	X	X	X
CA300	260x160x90	X	X	X	X
CA350	200x230x110	X	X	X	X
CA360	200x230x180	X	X	X	X
CA370	280x230x110	X	X	X	X
CA380	330x230x110	X	X	X	X
CA390	330x230x180	X	X	X	X
CA420	600x230x110	X	X	X	X
CA450	402,5x310x110	X	X	X	X
CA460	402,5x310x180	X	X	X	X
CA470	600x310x110	X	X	X	X
CA480	600x310x180	X	X	X	X
CPS530/8146/.051	170x170x91	X	X	X	X
8146/.061	227x170x91	X	X	X	X
8146/.062	227x170x131	X	X	X	X
CPS550/8146/.S71	340x170x91	X	X	X	X
8146/.072	340x170x131	X	X	X	X
8146/.073	340x170x150	X	X	X	X
CPS570/8146/.081	340x340x91	X	X	X	X
8146/.082	340x340x131	X	X	X	X
8146/.083	340x340x150	X	X	X	X
CPS590/8146/.085	340x340x190				X

Table2:

Eex-e housings	dimensions	EEx-d housing IIB EJB21	EEx-d housing IIB EJB23	EEx-d housing IIB EJB31	EEx-d housing IIB EJB51	EEx-d housing IIB EJB61	EEx-d housing IIB EJB63
CA350	200x230x110	X	X	X	X	X	X
CA360	200x230x180	X	X	X	X	X	X
CA370	280x230x110	X	X	X	X	X	X
CA380	330x230x110	X	X	X	X	X	X
CA390	330x230x180	X	X	X	X	X	X
CA420	600x230x180	X	X	X	X	X	X
CA450	402,5x310x110	X	X	X	X	X	X
CA460	402,5x310x180	X	X	X	X	X	X
CA470	600x310x110	X	X	X	X	X	X
CA480	600x310x180	X	X	X	X	X	X
CPS530/8146/.051	170x170x91	X	X	X	X	X	X
8146/.061	227x170x91	X	X	X	X	X	X
8146/.062	227x170x131	X	X	X	X	X	X
CPS550/8146/.S71	340x170x91	X	X	X	X	X	X
8146/.072	340x170x131	X	X	X	X	X	X
8146/.073	340x170x150	X	X	X	X	X	X
CPS570/8146/.081	340x340x91	X	X	X	X	X	X
8146/.082	340x340x131	X	X	X	X	X	X
8146/.083	340x340x150	X	X	X	X	X	X
CPS590/8146/.085	340x340x190		X	X	X	X	X
8146/.091	681x340x91				X	X	X
8146/.092	681x340x131				X	X	X

Details for marking

By using separately certificated electrical equipment you must add their marking symbol, otherwise it's the maximum marking. May be restrictive by every construction possible.

*) By using these control and distribution boxes in hazardous areas with gases, vapours or atomise, marked with the temperature class. By using in hazardous areas with dusts or the combination of both areas marked with the maximum surface temperature. Sample: T80°C.

**) The degree of protection of the enclosure are always on the typelabel.

(16) Test report

Nr. 05 YEX 550672

(17) Special conditions for safe use

None.

(18) Essential health and safety requirements

None additional.