



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

(2) Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres - **Directive 94/9/EC**



(3) EC-type-examination Certificate Number:

**PTB 03 ATEX 1159**

(4) Equipment: Explosion-proof plug-and-socket device, type 5516/.../...

(5) Manufacturer: WISKA Hoppmann & Mulsow GmbH

(6) Address: Kisdorfer Weg 28, 24568 Kaltenkirchen, Germany

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

(8) The Physikalisch-Technische Bundesanstalt, 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 test results are recorded in the confidential report PTB Ex 03-13272.

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

**EN 50014:1997 + A1 + A2**

**EN 50018:2000**

**EN 50019:2000**

(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, examination and tests of the specified equipment in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

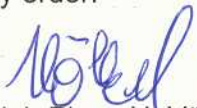
(12) The marking of the equipment shall include the following:

 **II 2 G EEx ed IIC T6**

Zertifizierungsstelle Explosionsschutz

Braunschweig, November 10, 2003

By order:

  
Dipl.-Phys. U. Völkel



## SCHEDULE

(13)

(14) **EC-TYPE-EXAMINATION CERTIFICATE PTB 03 ATEX 1159**

(15) Description of equipment

The explosion-proof plug-and-socket device, type 5516/.../..., is used for connection of mobile electrical equipment in potentially explosive atmospheres.

The socket outlet consists of a brass receptacle designed to Increased Safety "e" type of protection, which accommodates a – separately certified – insert designed to Flameproof Enclosure "d" type of protection. The socket-outlet receptacle has two threaded openings which are provided with – separately certified – cable entries or sealing plugs (depending on the type used).

The plug connector consists of a brass receptacle designed to Increased Safety "e" type of protection, which accommodates a – separately certified – plug insert designed to Flameproof Enclosure "d" type of protection. The cable entry is an entry with threaded grommet.

Technical data

Rated voltage ..... up to 415 V

Rated current ..... max. 16 A

Making/breaking capacity ..... 16 A /250 V: AC3

Capacity per terminal

Socket ..... 2 x 1.5 mm<sup>2</sup> to 4 mm<sup>2</sup>

Plug ..... 1 x 1.0 mm<sup>2</sup> to 2.5 mm<sup>2</sup>

Ambient temperatures ..... -20 °C to +40 °C

Provided the making and breaking capacities are met, rated values other than those specified above are acceptable and will be defined by the manufacturer on the basis of the operating mode, utilisation category, etc.

(16) Test report PTB Ex 03-13272

(17) Special conditions for safe use

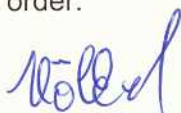
None

(18) Essential health and safety requirements

Met by compliance with the aforementioned Standards.

Zertifizierungsstelle Explosionsschutz

By order:

  
Dipl.-Phys. U. Völkel



Braunschweig, November 10, 2003

sheet 2/2



## 1st SUPPLEMENT

according to Directive 94/9/EC Annex III.6

to EC-TYPE-EXAMINATION CERTIFICATE PTB 03 ATEX 1159

(Translation)

Equipment: Plug-and-socket device, type 5516/.../...

Marking:  II 2 G EEx ed IIC T6

Manufacturer: WISKA Hoppmann & Mulsow GmbH

Address: Kisdorfer Weg 28, 24568 Kaltenkirchen, Germany

### Description of supplements and modifications

The explosion-proof plug-and-socket device, type 5516/.../... , consists of plug and a socket, and it is used for connection of mobile electrical equipment in the explosion-protected area.

The ambient temperature range is expanded, and the temperature class changes as follows:

Ambient temperatures:..... -40 °C to +40 °C , temperature class T6

Ambient temperatures:..... -40 °C to +55 °C , temperature class T5

### Applied standards


**EN 50014:1997 + A1 + A2**

Test report: PTB Ex 06-16266

Zertifizierungsstelle Explosionsschutz

Braunschweig, July 28, 2006

By order:

  
Dr.-Ing. M. Thedens  
Regierungsrat



Sheet 1/1

EC-type-examination Certificates without signature and official stamp shall not be valid. The certificates may be circulated only without alteration. Extracts or alterations are subject to approval by the Physikalisch-Technische Bundesanstalt. In case of dispute, the German text shall prevail.