



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx TUR 15.0018X Issue No: 0 Certificate history:
Status: Current Page 1 of 4 Issue No. 0 (2016-03-01)
Date of Issue: 2016-03-01
Applicant: WISKA Hoppmann & Mulsow GmbH
Kisdorfer Weg 28
24568 Kaltenkirchen
Germany
Electrical Apparatus: Explosion protected plug and socket device 16 A
Optional accessory:
Type of Protection: flameproof enclosure, increased safety, dust protection
Marking: Ex de IIC T6...T5 Gb
Ex tb IIIC T65C Db
-40 °C ≤ Ta ≤ +40°C
-40 °C ≤ Ta ≤ +55°C

Approved for issue on behalf of the IECEx
Certification Body:

Dipl.-Ing. Klauspeter Graffi

Position:

Head of Certification Body

Signature:
(for printed version)

Date:


2016-03-10

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

TUV Rheinland Industrie Service GmbH
Am Grauen Stein
51105 Cologne
Germany





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Manufacturer: **WSKA Hoppmann & Mulsow GmbH**
Kisdorfer Weg 28
24568 Kaltenkirchen
Germany

Additional Manufacturing
location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2007-04 Edition:6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-7 : 2006-07 Edition:4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

[DE/TUR/ExTR15.0018/00](#)

Quality Assessment Report:

[DE/PTB/QAR11.0006/01](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Subject and type

Explosion protected plug and socket device 16 A type 5516/**/**/(*****)

(for type designation see Attachement)

Description

The explosion Protected Plug and Socket Device 16A serves for tool less connecting of movable voltage source and electrical loads. The Plug and Socket Device 16A for low voltage are equipped with a load switch and are to be used up to a current of 16 A (2 pole + PE).

The Explosion Protected Plug and Socket Device 16A consist of a socket and a plug acc. with IEC 60309-1 und -2. They socket consist basically of a bottom enclosure and a cover made of brass cast. The bottom part is equipped with a flange-mounting socket outlet type GHG 5118 * * * * *.

The plug consist of a plug enclosure and a plug insert. The plug enclosure is made of brass cast. The cable relief is located inside the plug enclosure.

Plug and socket will be plugged together and secured by a twisting ring. The flange-mounting socket outlet type GHG 5118 * * * * * is a separately certified equipment (IECEx BVS 15.0088U)

CONDITIONS OF CERTIFICATION: YES as shown below:

The natures and sizes of the threads of the cable entry is named in the manufacturer's instructions and is named in the type designation and on the marking plate.

Only separately certified cable glands which comply with the type of protection should be used.

The dust exclusion tests were carried out with cable glands and blind plugs with gaskets / O-Rings. For type of protection Equipment dust ignition protection by enclosure "t" separately certified blanking elements and cable glands with affiliated gaskets/o-rings for tightening between enclosure and cable gland should be used. The gaskets / o-rings must be tested and certified together with the cable glands and must be suitable for this purpose (min. IP6X).

The dimensions of the flameproof joints are in parts other than the relevant minimum or maximum values of IEC 60079-1. For information on the dimensions of the flameproof joints contact the manufacturer.



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EQUIPMENT (continued):

Parameter

Design	3 pole
Rated Voltage:	up to 400 V
Rated current	up to 16 A
Switching capacity:	AC-3 16A 690V
Ambient temperature ranges and temperature classes	
-40°C ≤ Ta ≤ +40°C ≤ T6	
-40°C ≤ Ta ≤ +55°C ≤ T5	
Protection by enclosure acc. to IEC 60529	IP66

Annex:

[DE-IECEX_TUR_15 0018X_00_Attachment_2016-03-01.pdf](#)



Attachment to Certificate
IECEX TUR 15.0018 X
Revision 0

Attachment to to Certificate IECEX TUR 15.0018 X

Device: Explosion Protected Plug and Socket Device 16 A
type 5516/**/**/(*****)

Manufacturer: WISKA Hoppmann & Mulsow GmbH

Address: Kisdorfer Weg 28,
24568 Kaltenkirchen
Germany

Type code:

5516/	**/	**/	(*****)
1	2	3	4

- 1 = Type code:
5516 = type designation for the plug and socket device
- 2 = Number and position of cable glands at the socket resp. identification of the plug:
L = one cable gland left
R = one cable gland right
D = two cable glands in opposite
ST = designation of the plug
- 3 = Specification of position of the protective earth contact, e. g.
4h = 4 o'clock position of the protective earth contact
6h = 6 o'clock position of the protective earth contact
etc.
- 4 = Specification of size and sort of cable gland (only if delivered with cable gland), e.g.:
2x24-Z14 = two cable glands rated thread size M24 with earthing insert 14mm
1x20-W10/1x20-Z10 = one cable glands rated thread size M20 without earthing insert
For cable diameter 10mm /
and a cable gland rated thread size M20 with earthing insert 10mm
etc.



Attachment to Certificate
IECEX TUR 15.0018 X
Revision 0

General product information:

The explosion Protected Plug and Socket Device 16A serves for tool less connecting of movable voltage source and electrical loads. The Plug and Socket Device 16A for low voltage are equipped with a load switch and are to be used up to a current of 16 A (2 pole + PE). The explosion Protected Plug and Socket Device 16A consist of a socket and a plug acc. with IEC 60309-1 und -2. They socket consist basically of a bottom enclosure and a cover made of brass cast. The bottom part is equipped with a flange–mounting socket outlet type GHG 5118 * * * * ****.

The plug consist of a plug enclosure and a plug insert. The plug enclosure is made of brass cast. The cable relief is located inside the plug enclosure.

Plug and socket will be plugged together and secured by a twisting ring.

The flange–mounting socket outlet type GHG 5118 * * * * **** is a separately certified equipment (IECEX BVS 15.0088U)

Technical data

Design	3 pole
Rated Voltage:	up to 400 V
rated current	up to 16 A

Switching capacity: AC-3 16A 690V

Ambient temperature ranges and temperature classes

-40°C ≤Ta ≤ +40°C ≤ T6

-40°C ≤Ta ≤ +55°C ≤ T5

Specific Conditions of Use:

The natures and sizes of the threads of the cable entry is named in the manufacturer's instructions and is named in the type designation and on the marking plate.

Only separately certified cable glands which comply with the type of protection should be used.

The dust exclusion tests were carried out with cable glands and blind plugs with gaskets / O-Rings. For type of protection Equipment dust ignition protection by enclosure "I" separately certified blanking elements and cable glands with affiliated gaskets/o-rings for tightening between enclosure and cable gland should be used. The gaskets / o-rings must be tested and certified together with the cable glands and must be suitable for this purpose (min. IP6X).

The dimensions of the flameproof joints are in parts other than the relevant minimum or maximum values of IEC 60079-1. For information on the dimensions of the flameproof joints contact the manufacturer.