DNV·GL

Certificate No:
TAE00001NX

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Electrical Equipment

with type designation(s)
Explosion Protected Plug and Socket Device 16A 5516//**/(******)**

Issued to
WISKA Hoppmann GmbH
Kaltenkirchen Schleswig-Holstein, Germany

is found to comply with
DNV GL rules for classification – Ships

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

Temperature	**-40°C=Ta=+40°C (T6/65°C) / -40°C=Ta=+55°C (T5/65°C)**
Humidity	**up to 95%**
Vibration	**-**

This Certificate is valid until **2022-02-14**.

Issued at **Hamburg** on **2017-02-15**
DNV GL local station: **Hamburg** for **DNV GL**

Approval Engineer: **Andrea Grün**

Joannis Papanuskas
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

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Job Id: **262.1-024161-1**
Certificate No: **TAE00001NX**

Product description

Type :

5516/**/**/(******)Plug and Socket-outlet 2-pole + PE, 110-130 V (4 h) or
220-250 V (6 h),
Switching capacity: AC-3 16A 690V

Degree of protection :	IP 66
Degree of explosion protection :	II 2 G Ex de IIC T5/T6 Gb II 2 D Ex tb IIIC T65°C Db
Temperature range :	-40°C≤Ta≤+40°C (T6/65°C) -40°C≤Ta≤+55°C (T5/65°C)

Application/Limitation

Ex-certification is not covered by this certificate. Application in hazardous area to be approved in each case according to the Rules and Ex-Certification/ Special Condition for Safe Use listed in valid Ex-Certificate issued by a notified/recognized Certification Body.
Operating instructions of the manufacturer to be observed.

Type Approval documentation

EC Type -Examination Certificate No. TÜV 14 ATEX 7565 X	dated 01-03-2016
Test report Nr. 557 / Ex 565.00 / 14	dated 25-02-2016
IECEx Certificate of Conformity (IECEx TUR 15.0018X)	dated 10-03-2016
Operating instructions 50081956	Rev. 04/2016Product
Data Sheet	dated 10-11-2016
Drawing No. 30082497-06	dated 21-08-2014

Tests carried out

Applicable tests according to Class guideline DNVGL-CG-0339, November 2016.
Applicable tests according IEC 60529, IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-31.

Marking of product

The products to be marked with:

- manufacturer name
- model name
- serial number

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the Type approval are complied with and that no alterations are made to the product design or choice of materials.

The main elements of the assessment are:

- Inspection on factory samples, selected at random from the production line (where practicable).
- Results from Production Sample Tests (PST) and Routines (RT) checked (if not available tests according to PST and RT to be carried out).
- Review of type approval documentation.
- Review of possible change in design, materials and performance.
- Ensuring traceability between manufacturer's product type marking and Type Approval Certificate.

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

END OF CERTIFICATE