



Certificate No:
TAE00004F3

TYPE APPROVAL CERTIFICATE

This is to certify:

That the **Socket Outlet**

with type designation(s)
8570 Series, 8571 Series

Issued to

R. STAHL Schaltgeräte GmbH
Waldenburg, Germany

is found to comply with

DNV rules for classification – Ships, offshore units, and high speed and light craft

Application :

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

Type	Rated voltage (V)	Rated current (A)	Degree of protection
8570 Series	690	16	IP 66, IP 20 Flange Side
8571 Series	690	32	IP 66, IP 20 Flange Side

Issued at **Hamburg** on **2022-02-02**

This Certificate is valid until **2027-02-01**.

for **DNV**

DNV local station: **Augsburg**

Approval Engineer: **Maik Gagern**

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Arne Schaarmann
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.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Product description

Wall Receptacle, Flange Receptacle, Plug

Type	Type 8570/...-...	Type 8571/...-...
Rated voltage	max. 690 V	max. 690 V
Rated current	max. 16 A	max. 32 A
Ingress protection	IP66; IP20 flange site	IP66; IP20 flange site
Degree of ex-protection	Wall- and coupler-socket type Ex db eb IIC T6 ...T5 Gb Ex tb IIIC T73 °C Db as per certificate IECEx PTB 05.0023	Wall- and coupler-socket type Ex db eb IIC T6 ...T5 Gb Ex tb IIIC T76 °C Db as per certificate IECEx PTB 05.0024
	Flange socket type Ex db eb IIC Gb Ex tb IIIC Db as per certificate IECEx PTB 19.0018U	Flange socket type Ex db eb IIC Gb Ex tb IIIC Db as per certificate IECEx PTB 20.0004U
	Plug type Ex eb IIC T6 ... T5 Gb Ex tb IIIC T75 °C Db as per certificate IECEx PTB 19.0019X	Plug type Ex eb IIC T6 ... T5 Gb Ex tb IIIC T81 °C Db as per certificate IECEx PTB 20.0003X

Application/Limitation

Makers instructions are to be observed.

*Note: All details about electrical explosion protection mentioned in this certificate are for information only. For relevant binding information the details of a valid corresponding Certificate of Conformity with regard to electrical explosion protection, issued by a recognised Authority, and the Special Condition for Safe Use listed therein shall be observed. Ex installations to be approved in each case according to the DNV Rules.

Vibration Class:	A
Temperature Class:	D
Humidity Class:	B
Enclosure Class:	C

Type Approval documentation

Tests carried out

Acc. to IEC 60079 Series as listed in the IECEx Certificates of Conformity applicable for the respective product
 Degree of protection against water "IPX6" according to IEC 60529
 Vibration, damp heat according to DNV Class guideline DNV-CG-0339, Edition 2021-08

Marking of product

Maker's trademark
 Type designation
 Rated voltage
 Electrical explosion protection: Type of protection and marking according to the applicable Certificate of Conformity*

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 Routine Tests (RT) checked (if not available tests according to RT to be carried out)



Job Id: **262.1-035490-1**
Certificate No: **TAE00004F3**

- 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