DNV·GL

Certificate No:
TAE00002YK

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Termination and Joint for Cable

with type designation(s)
Connecting or branching box with 5 x 16 mm² flat cable of halogenfree compond

Issued to
WOERTZ AG
MUTTENZ, Switzerland

is found to comply with
DNV GL 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 GL.

Issued at **Hamburg** on **2018-07-03**
This Certificate is valid until **2023-07-02**.
DNV GL local station: **Augsburg**

Approval Engineer: **Carsten Hunsalz**

for **DNV GL**

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.

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Job Id: **262.1-027758-1**
Certificate No: **TAE00002YK**

Product description

Quick connection installation system
Type: Connecting or branching box with 5 x 16 mm² flat cable of halogenfree compond

The system consist of:

Flat cable:	- 5 x 16 mm² halogenfree, (0,6/1kV)	Art. No. 49606
	- Cable end piece,	Art. No. 49630
Connecting box:	5 x 16 mm² with 1 outlet M40 x 1,5 for 1 round cable 5 x 16 mm²,	Art. No. 49615
Branching box :	5 x 16 mm² with 2 outlets M25 x 1,5 for 2 round cables up to 5 x 6 mm²,	Art. No. 49616

Application/Limitation

To be installed in accordance with the manufacturer's instructions and DNV GL rules.

For fixed installation inside the ship.
Degree of protection: IP 65

Type Approval documentation

Test reports : SEV no. CH-00-IK.0603.01, dated of 26.01.2001
EMPA No. 417013, dated of 22.03.2002
CB CH-5223:2009-04-20; CCA IK-338:2009-04-20

Tests carried out

EN 60998-1:2004; EN 60998-2-1:2004; EN 60998-2-3:2004;

Marking of product

Manufacturer - Type designation

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)
- 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