

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Termination and Joint for Cable**

with type designation(s)

Heat Shrinking Tubes HA40, Heat Shrinking Tubes MA40

Issued to

**Hellermann Tyton GmbH
Tornesch, Germany**

is found to comply with

**GL Rules for Classification and Construction VI - Additional Rules and Guidelines Part 7 -
Guidelines for the Performance of Type Approvals Chapter 2 - Test Requirements for
Electrical/Electronic Equipment and Systems****Application :****Product(s) approved by this certificate is/are accepted for installation on all vessels classed
by DNV GL.**Issued at **Hamburg** on **2017-04-23**This Certificate is valid until **2017-07-22**.DNV GL local station: **Hamburg**Approval Engineer: **Maik Gagern**for **DNV GL**

**Duy Nam Le
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.



Job Id: **262.1-025716-1**
Certificate No: **TAE00001ZZ**

Product description

HA 40-9/3 up to HA 40-130/36
Shrink ratio: up to 3.5:1
MA 40-22/6 up to MA 40-300/85
Shrink ratio: up to 4:1

Application/Limitation

Operating instructions of the Manufacturer as well as requirements for the application have to be observed.

Type Approval documentation

VDE Report 565200-5470-0005/154388 dated 2012-01-09
Data Sheets: PM.V1.0/03.04.12 chb, PM.V01/03.04.chb

Tests carried out

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