DNV·GL

Certificate No:
TAE00003E6

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Termination and Joint for Cable

with type designation(s)
RICS insulated adapter termination system 24kV

Issued to
Tyco Electronics Raychem GmbH
Ottobrunn, Germany

is found to comply with
DNV GL rules for classification – Ships, offshore units, and high speed and light craft

Application :

Insulated adapter termination system RICS for SF6 insulated switchgear up to 24 kV.

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

Issued at **Hamburg** on **2019-04-11**
This Certificate is valid until **2024-04-10**.
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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Product description

Shrouded terminations (RICS adaptors) for single and 3-Core Medium Voltage Terminations up to 24 kV Plastic Cables

Voltage class kV	Current [A]	Core Insulation Diameter [mm]	Reference number Conductor material: Copper
SINGLE CONNECTION:			
24	630	17,5 – 24	RICS-5113
24	630	21,5 – 28	RICS-5123
24	630	27 – 35	RICS-5133
24	630	32,5 – 42	RICS-5143
DOUBLE CONNECTION:			
24	95	27 – 35	RICS-5137
24	120	27 – 35	RICS-5733
24	150	32,5 – 42	RICS-5147
24	185	32,5 – 42	RICS-5743

Application/Limitation

Installation to be done in accordance with manufacturer's installation instructions.
According to DNV Rules, maximum voltage is 15kV. DNV may accept higher voltages for special applications.

Type Approval documentation

Tests carried out

Tested according to CENELEC HD 629.1 S21 (2006-02), VDE 0278 Part 6. ANSI/IEEE-386.

Marking of product

Raychem – RICS no – Voltage class – Batch no.

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