

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Cable Connector

with type designation(s)

480TB, 484TB, 489TB, 800PB, 804PB, 809PB, 784TB, 152SR and 158LR

Issued to

NEXANS network solutions NV
Erembodegem, Belgium

is found to comply with

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

Application :

Products approved by this certificate are accepted for installation on all vessels classed by DNV GL.

Issued at **Høvik** on **2017-12-22**

This Certificate is valid until **2022-12-21**.

DNV GL local station: **Antwerp**

for **DNV GL**

Approval Engineer: **Nicolay Horn**

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Andreas Kristoffersen
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.



Product description

Medium Voltage Outdoor / Indoor Connectors for 10 (12) kV, 15 (17.5) kV, 20 (24) kV, 30 (36) kV & 36 (42) kV. Types: 480TB, 484TB, 489TB, 800PB, 804PB, 809PB, 784TB, 152SR and 158LR

480TB Separate tee shape connector

Termination type	Voltage Um (kV)	Current Ir* (A)	Conductor size (mm ²)	
			min	max
480TB/G	12	630	35	300
K480TB/G	24	630	35	300
M480TB/G	36	630	50	300
P480TB/G	42	630	50	240

*When using a copper (CU-2) or a bolted (UN-5) connector contact Ir = 1250A

484TB Separate tee shape connector

Termination type	Voltage Um (kV)	Current Ir (A)	Conductor size (mm ²)	
			min	max
484TB/G	12	1250	50	630
K484TB/G	24	1250	35	630
M484TB/G	36	1250	35	630
P484TB/G	42	1250	35	630

489TB Separate tee shape connector

Termination type	Voltage Um (kV)	Current Ir (A)	Conductor size (mm ²)	
			min	max
489TB/G	12	1250	630	1250
K489TB/G	24	1250	630	1250
M489TB/G	36	1250	630	1250
P489TB/G	42	1250	630	1250

800PB Separate coupling connector

Termination type	Voltage Um (kV)	Current Ir* (A)	Conductor size (mm ²)	
			min	max
800PB/G	12	630	35	630
K800PB/G	24	630	35	630
M800PB/G	36	630	50	630
P800PB/G	42	630	50	630

*When using a copper (CU-2) or a bolted (UN-5) connector contact Ir = 1250A

804PB Separate coupling connector

Termination type	Voltage Um (kV)	Current Ir (A)	Conductor size (mm ²)	
			min	max
804PB/G	12	1250	50	630
K804PB/G	24	1250	35	630
M804PB/G	36	1250	35	630
P804PB/G	42	1250	35	630

809PB Separate coupling connector

Termination type	Voltage Um (kV)	Current Ir (A)	Conductor size (mm ²)	
			min	max
809PB/G	12	1250	630	1250
K809PB/G	24	1250	630	1250
M809PB/G	36	1250	630	1250
P809PB/G	42	1250	630	1250

784TB Separate tee shape connector

Termination type	Voltage Um (kV)	Current Ir (A)	Conductor size (mm ²)	
			min	max
784TB/G	12	800	50	630
K784TB/G	24	800	35	630
M784TB/G	36	800	35	630
P784TB/G	42	800	35	630

152SR Separate straight connector

Termination type	Voltage Um (kV)	Current Ir (A)	Conductor size (mm ²)	
			min	max
152SR/G	12	250	16	70
152SR	12	250	70	95
K152SR/G	24	250	16	25
K152SR	24	250	25	95

158LR Separate elbow connector

Termination type	Voltage Um (kV)	Current Ir (A)	Conductor size (mm ²)	
			min	max
158LR/G	12	250	16	70
158LR	12	250	70	95
K158LR/G	24	250	16	25
K158LR	24	250	25	95

Application/Limitation

Installation has to be done in accordance with the installation instructions.
Use in net with voltages above 15 (17.5) kV to be accepted case by case.

Type Approval documentation

Tests carried out

Tested according to CENELEC HD 629 and IEC EN 61442 Ed. 2 (03/2005).

Marking of product

Nexans – Factory Identification – Product Description– Voltage class.

Periodical assessment

Job Id: **262.1-026315-1**
Certificate No: **TAE00002HX**

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