DNV·GL

Certificate No:
TAE00001CS

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Terminal Block

with type designation(s)
SC.., SP.., ST..

Issued to
Phoenix Contact GmbH & Co. KG
Blomberg, Germany

is found to comply with
DNV GL rules for classification – Ships and offshore units

Application :

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

This Certificate is valid until **2021-09-19**.

Issued at **Hamburg** on **2016-09-20**
DNV GL local station: **Magdeburg** for **DNV GL**

Approval Engineer: **Harald Amberger**

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.

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Product description

SC.. Terminal coupling
SP.. Terminal plug
ST.. Feed-through terminal block
STS.. Multi-conductor terminal block
STTB.. Plug-in terminal block
STTBS.. Multi-level terminal block

Type designation	Cross section	Rated current	Rated voltage
SC 2,5/ XX	4,0mm²	24A	500V
SC 2,5-RZ/ XX	4,0mm²	24A	500V
SP 2,5/ XX	4,0mm²	24A	500V
SPB 2,5/ XX	4,0mm²	24A	500V
SPDB 2,5/ XX	4,0mm²	24A	500V
ST 1,5	1,5mm²	17,5A	500V
ST 1,5-PE	1,5mm²		
ST 1,5-QUATTRO	1,5mm²	17,5A	500V
ST 1,5-QUATTRO-PE	1,5mm²		
ST 1,5-TWIN	1,5mm²	17,5A	500V
ST 1,5-TWIN-PE	1,5mm²		
ST 2,5	2,5/4,0mm²	24/31A	800V
ST 2,5/ 1P	4,0mm²	24A	500V
ST 2,5/ 1P-PE	4,0mm²		
ST 2,5/2P	4,0mm²	24A	500V
ST 2,5/2P-PE	4,0mm²		
ST 2,5-PE	4,0mm²		
ST 2,5-QUATTRO	4,0mm²	24A	800V
ST 2,5-QUATTRO/2P	4,0mm²	24A	500V
ST 2,5-QUATTRO/2P-PE	4,0mm²		
ST 2,5-QUATTRO/4P	4,0mm²	24A	500V
ST 2,5-QUATTRO/4P-PE	4,0mm²		
ST 2,5-QUATTRO-PE	4,0mm²		
ST 2,5-TWIN	4,0mm²	24A	800V
ST 2,5-TWIN/ 1P	4,0mm²	24A	500V
ST 2,5-TWIN/ 1P-PE	4,0mm²		
ST 2,5-TWIN-MT/1P	4,0mm²	20A	400V
ST 2,5-TWIN-PE	4,0mm²		
ST 4	4,0/6,0mm²	32/40A	800V
ST 4-PE	6,0mm²		
ST 4-QUATTRO	6,0mm²	32A	800V
ST 4-QUATTRO-PE	6,0mm²		
ST 4-TWIN	6,0mm²	32A	800V
ST 4-TWIN-PE	6,0mm²		

Type designation	Cross section	Rated current	Rated voltage
ST 6	6,0/10mm²	41/52A	1000V
ST 6-PE	10mm²		
ST 10	10/16mm²	57/65A	1000V
ST 10-PE	16mm²		
ST 16	16/25mm²	76/90A	1000V
ST 16-PE	25mm²		
ST 35	35mm²	125A	1000V
ST 35-PE	35mm²		
STS 2,5	2,5/4,0mm²	24/31A	800V
STS 2,5-MT	4,0mm²	20A	400V
STS 2,5-PE	4,0mm²		
STS 2,5-QUATTRO	4,0mm²	24A	800V
STS 2,5-QUATTRO-PE	4,0mm²		
STS 2,5-TG	4,0mm²	20A	400V
STS 2,5-TWIN	4,0mm²	24A	800V
STS 2,5-TWIN-PE	4,0mm²		
STS 4	4,0/6,0mm²	32/38A	800V
STS 4-PE	6,0mm²		
STS 4-QUATTRO	6,0mm²	32A	800V
STS 4-QUATTRO-PE	6,0mm²		
STS 4-TWIN	6,0mm²	32A	800V
STS 4-TWIN/L	6,0mm²	32A	800V
STS 4-TWIN-PE	6,0mm²		
STS 6	6,0/10mm²	41/57A	800V
STS 6-PE	6,0mm²		
STS 6-TWIN	6,0/10mm²	41/57A	800V
STS 6-TWIN-PE	6,0mm²		
STTB 1,5	1,5mm²	17,5A	500V
STTB 1,5-PV	1,5mm²	17,5A	500V
STTB 2,5	2,5/4,0mm²	22/26A	500V
STTB 2,5/2P	4,0mm²	22A	500V
STTB 2,5/2P-PE	4,0mm²		
STTB 2,5/2P-PV	4,0mm²	22A	500V
STTB 2,5-PV	4,0mm²	22A	500V
STTB 4	4,0/6,0mm²	30/32A	500V
STTB 4-PV	4,0/6,0mm²	30/32A	500V
STTBS 2,5	2,5/4,0mm²	22/26A	500V
STTBS 2,5-LA 24 RD	2,5/4,0mm²	22/26A	24V
STTBS 2,5-PE	4,0mm²		
STTBS 2,5-PV	2,5/4,0mm²	22/26A	500V
STTBS 4	4,0/6,0mm²	28/34A	500V
STTBS 4-PE	4,0mm²		
STTBS 4-PV	4,0mm²	28A	500V

Application/Limitation

Location Classes:
Temperature: B, Humidity: B, Vibration: A

Operating instruction of the manufacturer to be observed

Type Approval documentation

Tests carried out

IEC 60947-7-1:2003, IEC 60947-7-2:2002
GL Test Requirements for Electrical / Electronic Equipment and Systems 2012

Marking of product

Phoenix Contact – Type designation – Main data
All type designation may be followed by suffix such as color or packing options.

Place of production

Phoenix Feinbau GmbH &Co.KG
Gustavstr. 3
58511 Lüdenscheid

Phoenix Contact Wielkopolska Spolka z. o. .o.
Ul. Celna 5
64-300 Nowy Tomysl
Poland

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.

Assessment to be performed at least every second year.

END OF CERTIFICATE