

Certificate No:
E-13556
File No:
828.30
Job Id:
262.1-017054-1

TYPE APPROVAL CERTIFICATE

This is to certify:
That the Terminal Block

with type designation(s)
SNK series, PI-Spring terminal blocks

Issued to
ABB France
CHASSIEU Cedex, France

is found to comply with
Det Norske Veritas' Rules for Classification of Ships, High Speed & Light Craft and Det Norske Veritas' Offshore Standards

Application :
For installations inside switchboards/enclosures.

This Certificate is valid until **2018-12-31**.

Issued at **Høvik** on **2014-11-14**

DNV GL local station: **Marseille**

Approval Engineer: **Nicolay Horn**



for **DNV GL**

Digitally Signed By: Laumann, Marit

Location: DNV Høvik, Norway

Signing Date: 2014-11-17

Marit Laumann
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. If any person suffers loss or damage which is proven to have been caused by any negligent act or omission of the Society, then the Society shall pay compensation to such person for his proven direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question. The maximum compensation shall never exceed USD 2 million. In this provision the "Society" shall mean DNV GL AS as well as all its direct and indirect owners, affiliates, subsidiaries, directors, officers, employees, agents and any other person or entity acting on behalf of DNV GL AS.

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Name and place of manufacturer

ABB Entelec SP ZOO
Industrial Park UL Grunwaldzka 38
Nowa Wies Leborska, Poland

ABB France
Activité Raccordement, 3 rue Jean Perrin-
CS90009- 69687 Chassieu Cedex, France

Product description

Terminal blocks including accessories.

SNK series, PI-Spring terminal blocks.

Insulation material: Polyamid 6.6 PA

Type designation	Rated Cross section (mm ²)	Current (A)	Voltage (V)	Description
ZK2.5	2,5	24	1000	Feed-through 2 connections
ZK2.5-3P	2,5	24	1000	Feed-through 3 connections
ZK2.5-4P	2,5	24	1000	Feed-through 4 connections
ZK2.5-PE	2,5	-	-	Ground 2 connections
ZK2.5-PE-3P	2,5	-	-	Ground 3 connections
ZK2.5-PE-4P	2,5	-	-	Ground 4 connections
ZK2.5-D1	2,5	24	800	Double deck with 1 feed-through circuit
ZK2.5-D2	2,5	24	800	Double deck with 2 feed-through circuits
ZK2.5-D1-PE	2,5	-	-	Double deck with 1 ground circuit
ZK2.5-D2-PE	2,5	24	800	Double deck with 1 feed-through circuit and 1 ground circuit
ZK2.5-S	2,5	20	630	Disconnect with blade
ZK2.5-SP	2,5	17	630	Disconnect with plug
ZK2.5-SF	2,5	6,3	500	Fuse holder
ZK2.5-SF-R1	2,5	6,3	500 ⁽¹⁾	Fuse holder + blown fuse indicator 24-110V
ZK2.5-SF-R3	2,5	6,3	500 ⁽²⁾	Fuse holder + blown fuse indicator 115-250V
ZK2.5-S-R1	2,5	20	630	Disconnect with blade
ZK4	4	32	1000	Feed-through 2 connections
ZK4-3P	4	32	1000	Feed-through 3 connections
ZK4-4P	4	32	1000	Feed-through 4 connections
ZK4-PE	4	-	-	Ground 2 connections
ZK4-PE-3P	4	-	-	Ground 3 connections
ZK4-PE-4P	4	-	-	Ground 4 connections
ZK6	6	41	1000	Feed-through 2 connections
ZK6-3P	6	41	1000	Feed-through 3 connections
ZK6-PE	6	-	-	Ground 2 connections
ZK6-PE-3P	6	-	-	Ground 3 connections
ZK10	10	57	1000	Feed-through 2 connections
ZK10-PE	10	-	-	Ground 2 connections
ZK16	16	76	1000	Feed-through 2 connections
ZK16-PE	16	-	-	Ground 2 connections

(1) : Operating voltage limited to 110V due to fuse indicator circuit, rated 24-110V

(2) : Operating voltage limited to 250V due to fuse indicator circuit, rated 115-250V

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Type Approval documentation

Technical info: Spread sheet from ABB,

Test reports and certificates:

LCIE nos. FR 637901A & B dated 2013-10-18 & 2013-10-25, FR 641211 dated 2013-07-10, FR 641213 dated 2013-07-23, FR 641214 dated 2013-09-13, FR 643857 dated 2013-10-28, FR 647034 dated 2013-11-06, FR 647448 dated 2013-10-28 and FR 647449A & B dated 2013-11-07. ABB test reports 20130081 & 20130110 dated 2013-04-18, 20130111 dated 2013-04-19, 20130265 dated 2013-07-05, 20130266 dated 2013-09-16, 20130307 dated 2013-10-14 and 20130348 dated 2013-09-17.

Tests carried out

Type tests in accordance with IEC 60947-7-1, IEC 60947-7-2 & IEC 60947-7-3. Heat/cold test, Damp heat & Vibration test.

Marking of product

ABB - Type designation according to IEC 60947-7-1 standard, Imprinted on the product.

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the Type approval is complied with and that no alterations are made to the product design or choice of materials.

The main elements of the survey are:

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Production Sample Tests (PST) and Routines (RT) checked (if not available tests according to PST and 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.

Survey to be performed at least every second year.

END OF CERTIFICATE