Certificate no.:
TAE00004X1

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Terminal Block

with type designation(s)
DS..., WS..., STB..., PC..., DC..., DHV...

issued to
DEGSON TECHNOLOGY CO., LTD.
Ningbo, Zhejiang, China

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

Application:

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

Issued at **Hamburg** on **2024-10-10**
This Certificate is valid until **2029-10-09**.
DNV local unit: **Ningbo FIS**

for **DNV**

Approval Engineer: **Harald Amberger**

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.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.

Product description

Terminal Type	Rated voltage [V]	Rated current [A]	Wire range [mm²]
DS1.5	500	17.5	0.2~1.5
DS1.5-PE	/	/	0.2~1.5
DS1.5-TW	500	17.5	0.2~1.5
DS1.5-TW-PE	/	/	0.2~1.5
DS1.5-QU	500	17.5	0.2~1.5
DS1.5-QU-PE	/	/	0.2~1.5
DSKK1.5	500	16	0.2~1.5
DSKK1.5-PV	500	16	0.2~1.5
DSKK1.5-PE	/	/	0.2~1.5
DS1.5-3L	500	15	0.2~1.5
DS1.5-3L-PV	500	15	0.2~1.5
DS1.5-3L-L/L/PE	500	15	0.2~1.5
DS1.5-3L-L/N/PE	500	15	0.2~1.5
DS1.5-3L-PE	/	/	0.2~1.5
DSI01.5/3	250	13.5	0.2~1.5
DSI01.5/3-PE	250	13.5	0.2~1.5
DSI01.5/4	250	13.5	0.2~1.5
DSI01.5/4-PE	250	13.5	0.2~1.5
DS2.5	800	24	0.14~4
DS2.5-PE	/	/	0.14~4
DS2.5-TW	800	24	0.14~4
DS2.5-TW-PE	/	/	0.14~4
DS2.5-QU	800	24	0.14~4
DS2.5-QU-PE	/	/	0.14~4
DSKK2.5	500	22	0.14~4
DSKK2.5-PV	500	22	0.14~4
DSKK2.5-PE	/	/	0.14~4
DSKK2.5/2P	500	22	0.14~4
DSKK2.5/2P-PV	500	22	0.14~4
DSKK2.5/2P-PE	/	/	0.14~4
DS2.5-3L	500	20	0.14~4
DS2.5-3L-PV	500	20	0.14~4
DS2.5-3L-L/L/PE	500	20	0.14~4
DS2.5-3L-L/N/PE	500	20	0.14~4
DS2.5-3L-PE	/	/	0.14~4
DS2.5-PE/3L	800	20	0.14~4
DS2.5-MT	400	20	0.14~4
DS2.5-TG	400	20	0.14~4
DS2.5-TW-MT	400	20	0.14~4
OS2.5-TW-TG	400	20	0.14~4
DS2.5-QU-MT	400	20	0.14~4
DS2.5-QU-TG	400	20	0.14~4

Terminal Type	Rated voltage [V]	Rated current [A]	Wire range [mm²]
DS2.5/1P	500	24	0.14~4
DS2.5/1P-PE	/	/	0.14~4
DS2.5/2P	500	24	0.14~4
DS2.5/2P-PE	/	/	0.14~4
DS2.5-TW/1P	500	24	0.14~4
DS2.5-TW/1P-PE	/	/	0.14~4
DS2.5-QU/2P	500	24	0.14~4
DS2.5-QU/2P-PE	/	/	0.14~4
DS2.5-QU/4P	500	24	0.14~4
DS2.5-QU/4P-PE	/	/	0.14~4
DSKKS2.5	500	24	0.14~4
DSKKS2.5-PV	500	24	0.14~4
DSKKS2.5-PE	/	/	0.14~4
DSKKS2.5/2P	500	22	0.2~4
DSKKS2.5/2P-PV	500	22	0.2~4
DSKKS2.5/2P-PE	/	/	0.2~4
DSI0-IN2.5/3 OG	250	20	0.2~4
DSI0-IN2.5/4-PE OG	250	20	0.2~4
DS2.5-LD L-R	250	1	0.14~4
DS2.5-LD R-L	250	1	0.14~4
DS2.5-TW-LD L-R	250	1	0.14~4
DS2.5-TW-LD R-L	250	1	0.14~4
DS2.5-QU-LD L-R	250	1	0.14~4
DS2.5-QU-LD R-L	250	1	0.14~4
DSV2.5	600	24	0.14~4
DSV2.5-PE	/	/	0.14~4
DSHV2.5-2000	2000	24	0.14~4
DS4	800	32	0.2~6
DS4-PE	/	/	0.2~6
DS4-TW	800	32	0.2~6
DS4-TW-PE	/	/	0.2~6
DS4-QU	800	32	0.2~6
DS4-QU-PE	/	/	0.2~6
DSKK4	500	32	0.2~6
DSKK4-PV	500	32	0.2~6
DSKK4-PE	/	/	0.2~6
DSKKS4	800	32	0.2~6
DSKKS4-PV	800	32	0.2~6
DSKKS4-PE	/	/	0.2~6
DS4/1P	800	32	0.2~6
DS4/1P-PE	/	/	0.2~6
DS4-HE	400	6.3	0.2~6
DS4-HE-LD24	24	6.3	0.2~6
DS4-HE-LD60	60	6.3	0.2~6

Terminal Type	Rated voltage [V]	Rated current [A]	Wire range [mm²]
DS4-HE-LD250	250	6.3	0.2~6
DS4-MT	500	20	0.2~6
DS4-TG	500	20	0.2~6
DS6	1000	41	0.5~10
DS6-PE	/	/	0.5~10
DS6-TW	1000	41	0.5~10
DS6-TW-PE	/	/	0.5~10
DS6-QU	1000	41	0.5~10
DS6-QU-PE	/	/	0.5~10
DS6-MT	500	20	0.5~10
DS6-TG	500	20	0.5~10
DS10	1000	57	0.5~16
DS10-PE	/	/	0.5~16
DS10-TW	1000	57	0.5~16
DS10-TW-PE	/	/	0.5~16
DS16	1000	76	0.5~25
DS16-PE	/	/	0.5~25
DS16-TW	1000	76	0.5~25
DS16-TW-PE	/	/	0.5~25
WS1.5	800	17.5	0.2~1.5
WS1.5-PE	/	/	0.2~1.5
WS1.5-TW	800	17.5	0.2~1.5
WS1.5-TW-PE	/	/	0.2~1.5
WS1.5-QU	800	17.5	0.2~1.5
WS1.5-QU-PE	/	/	0.2~1.5
WS1.5-DB	800	17.5	0.2~1.5
WS1.5T-DB	800	17.5	0.2~1.5
WS1.5-SD	800	17.5	0.2~1.5
WS2.5	800	24	0.2~2.5
WS2.5-PE	/	/	0.2~2.5
WS2.5-TW	800	24	0.2~2.5
WS2.5-TW-PE	/	/	0.2~2.5
WS2.5-QU	800	24	0.2~2.5
WS2.5-QU-PE	/	/	0.2~2.5
WS2.5-DB	800	24	0.2~2.5
WS2.5T-DB	800	24	0.2~2.5
WS2.5-DIN15	800	24	0.2~2.5
WS2.5T-DIN15	800	24	0.2~2.5
WS2.5-DIN15-PE	/	/	0.2~2.5
WS2.5-DIN35	800	24	0.2~2.5
WS2.5T-DIN35	800	24	0.2~2.5
WS2.5-MID-CO	800	24	0.2~2.5
WS2.5T-MID-CO	800	24	0.2~2.5
WS2.5-END-CO	/	/	0.2~2.5

Terminal Type	Rated voltage [V]	Rated current [A]	Wire range [mm²]
WS2.5T-END-CO	800	24	0.2~2.5
WS2.5-TW-TA	800	24	0.2~2.5
WS2.5-TW-TA-PE	/	/	0.2~2.5
WS2.5-SD	800	24	0.2~2.5
WS2.5-SD-PE	/	/	0.2~2.5
WS2.5-QU-LD-L-R	250	0.5	0.2~2.5
WS2.5-QU-LD-R-L	250	0.5	0.2~2.5
WS2.5P	500	22	0.2~2.5
WS2.5P-PE	/	/	0.2~2.5
WS4	800	32	0.2~4
WS4-PE	/	/	0.2~4
WS4-TW	800	32	0.2~4
WS4-TW-PE	/	/	0.2~4
WS4-QU	800	32	0.2~4
WS4-QU-PE	/	/	0.2~4
WS4-SD	800	32	0.2~4
WS4-DB	630	32	0.2~4
WS4T-DB	630	32	0.2~4
WSF4-TA	400	6.3	0.2~4
WS6	800	41	0.2~6
WS6-PE	/	/	0.2~6
WS6-TW	800	41	0.2~6
WS6-TW-PE	/	/	0.2~6
WS6-SD	800	41	0.2~6
WS6-SD-PE	/	/	0.2~6
WS10	800	57	0.2~10
WS10-PE	/	/	0.2~10
WS10-TW	800	57	0.2~10
WS10-TW-PE	/	/	0.2~10
WS10-SD	800	57	0.2~10
WS10-SD-PE	/	/	0.2~10
WS16	800	76	0.2~16
WS16-PE	/	/	0.2~16
WS16-TW	800	76	0.2~16
WS16-TW-PE	/	/	0.2~16
WS16-SD	800	76	0.2~16
WS16-SD-PE	/	/	0.2~16
WS35	1000	125	0.5~35
WS35-PE	/	/	0.5~35
STB2.5	800	24	0.2~4
STB2.5-PE	/	/	0.2~4
STB2.5-TW	800	24	0.2~4
STB2.5-TW-PE	/	/	0.2~4
STB2.5-QU	800	24	0.2~4

Terminal Type	Rated voltage [V]	Rated current [A]	Wire range [mm²]
STB2 5-QU-PE	/	/	0.2~4
STB2.5-2L	500	22	0.2~4
STB2.5-2L-PV	500	22	0.2~4
STB2.5-2L-PE	/	/	0.2~4
STB6	1000	41	0.2~10
STB6-PE	/	/	0.2~10
STB6-TW	1000	41	0.2~10
STB6-TW-PE	/	/	0.2~10
PC1.5	500	17.5	0.2~1.5
PC2.5	800	24	0.2~2.5
PC2.5B	800	24	0.2~2.5
PC2.5-PE	/	/	0.2~2.5
PC2.5-TW	400	24	0.2~2.5
PC2.5-TW-PE	/	/	0.2~2.5
PCDK2.5	500	24	0.2~2.5
PCDK2.5-PE	/	/	0.2~2.5
PCKK2.5	500	24	0.2~2.5
PCKK2.5-PV	500	24	0.2~2.5
PCMB2.5	500	24	0.2~2.5
PCMT2.5	500	16	0.2~2.5
PC4	800	32	0.2~4
PC4-PE	/	/	0.2~4
PC4-TW	500	32	0.2~4
PC4-TW-PE	/	/	0.2~4
PCKK4	500	32	0.2~4
PCKK4-PE	/	/	0.2~4
PCDK4	630	32	0.2~4
PCDK4-PE	/	/	0.2~4
PCMB4	500	32	0.2~4
PCMT4	800	16	0.2~4
PC4-HE	800	6.3	0.2~4
PC6	800	41	0.2~6
PC6-PE	/	/	0.2~6
PCTK6	400	41	0.5~6
PCTK6-BEN	500	41	0.5~6
PC10	800	57	0.2~10
PC10-PE	/	/	0.2~10
PC10-DR	800	10	0.5~10
PC16	800	76	0.2~16
PC16-PE	/	/	0.2~16
PC35	1000	125	0.2~35
PC35-PE	/	/	0.2~35
PCIK35	800	125	0.2~35
DC2.5	800	24	0.2~4

Terminal Type	Rated voltage [V]	Rated current [A]	Wire range [mm²]
DC2.5-PE	/	/	0.2~4
DC2.5-TW	800	24	0.2~4
DC2.5-TW-PE	/	/	0.2~4
DC2.5-QU	500	24	0.2~4
DC2.5-QU-PE	/	/	0.2~4
DCKKB2.5	500	24	0.2~4
DCKKB2.5-PV	500	24	0.2~4
DCKKB2.5-PE	/	/	0.2~4
DC4	1000	32	0.5~4
DC4-PE	/	/	0.5~4
DC4-TW	500	32	0.5~4
DC4-TW-PE	/	/	0.5~4
DC4-QU	500	32	0.5~4
DC4-QU-PE	/	/	0.5~4
DCKKB4	800	32	0.5~4
DCKKB4-PV	800	32	0.5~4
DCKKB4-PE	/	/	0.5~4
DC4-HE	500	6.3	0.5~6
DC4-HE-LD24	24	6.3	0.5~6
DC4-HE-LD250	250	6.3	0.5~6
DC4-MT	500	20	0.5~6
DC4-TG	500	20	0.5~6
DC6	1000	41	0.5~6
DC6-PE	/	/	0.5~6
DCTK6	630	41	0.5~6
DCTK6 N	630	41	0.5~6
DC10	1000	57	0.5~10
DC10-PE	/	/	0.5~10
DC10-TW	1000	57	0.5~10
DC10-TW-PE	/	/	0.5~10
DCKKB10	500	57	0.5~10
DCKKB10-PV	500	57	0.5~10
DCKKB10-PE	/	/	0.5~10
DC16	1000	76	1.5~25
DC16-PE	/	/	1.5~25
DC35	1000	125	1.5~50
DC35-PE	/	/	1.5~50
DHV2.5	1000	24	0.14~4
DHV2.5-PE	/	/	0.14~4
DHV4	1000	32	0.14~6
DHV4-PE	/	/	0.14~6
DHV4-2L-HE	500	6.3	0.5~6
DHV4-2L-HE-LD24	24	6.3	0.5~6
DHV4-2L-HE-LD250	250	6.3	0.5~6

Terminal Type	Rated voltage [V]	Rated current [A]	Wire range [mm²]
DHV6	1000	41	0.2~10
DHV6-PE	/	/	0.2~10

Application/Limitation

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

Type Approval documentation

Tests carried out

IEC 60947-7-1:2009-04, IEC 60947-7-2:2009-04, IEC 60947-7-3:2009-04, cold, dry heat, damp heat, salt mist vibration, flame retardancy.

Marking of product

DEGSON TECHNOLOGY - Type designation - Main data.

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