



TYPE APPROVAL CERTIFICATE

Certificate No:
TAE000026K
Revision No:
1

This is to certify:

That the Electrical Equipment

with type designation(s)
podis CON

Issued to

Wieland Electric GmbH
Bamberg, Bayern, Germany

is found to comply with

Application :

Not intend for electrical installation in ships, offshore units, and high speed and light craft

Application possible in salted atmosphere.

Issued at **Hamburg** on **2022-08-17**

This Certificate is valid until **2027-07-24** .

DNV local unit: **Augsburg**

Approval Engineer: **Harald Amberger**



for **DNV**

Digitally Signed By: Schaarmann, Arne
Location: DNV GL SE Hamburg, Germany
Signing Date: 2022-08-19

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.

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.



Form code: TA 281

Revision: 2021-10

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Product description

podis CON

Power bus components

Technical Data:

Modules podis:

Voltage: max. 500 V

Rated current: 20 A, resp. 32A

Number of poles: 7

Type of protection: IP 65

Terminal Type: Piercing, Screw, spring

Type of connector: B (female); S (male)

Cable (EVA/ XLPE): Voltage: 450/750V ~3Ph. 600V acc. UL

Max. conductor temperature: 90°C

Conductor: 7

Insulation: Halogen free polymer compound

Sheath: Halogen free polymer compound

Number of cores and cross section: 7 x 4 mm²

Parts of flat cable installation system:

Flat cable EVA 7G4; 7 x 4 mm²

Flat cable XLPE; 7 x 4 mm²

Connecting module: FCS 4 7 SI FK

Connecting module on mounting fixture: FCS 4 7 SI FK FM

Flat cable outlet: FCS 4 7 SI BU SW

Flat cable outlet on mounting fixture: FCS 4 7 SI BU SW FM

Plug: FCS 4 7 ST SA SO0

Distributor module: FCS 4 7 SA SA

Ratings:

FCS 4 7 SA SA:

50 VDC and 3 x 500 VAC, 32 A

FCS 4 7 ST SA (male), FCS 4 7 SI,...:

50 VDC and 3 x 500 VAC, 20 A

Cable feed through; Z5.563.6553.1

Cable end cap; Z5.562.7553.1

Socket. FCS-CEE6H 400V16A5P*; FCS-CEE7/4 230V16A3P*; FCS-CEE 6H 230V16A3P*

Connetion between socket / connecting module. FCS CEE7/4 230V16A 3P_SIFK 10

podis LED FCS 24V DC 5W

podis LED FCS 24V DC 5W / RST

podis LED RST 24V DC 5W

Cord set, RST20i2, 2-polig, 50V/20A

* Type of protection: IP 44

Further details according manufacture documentation

Application/Limitation

This Type Approval certificate is not valid for designs, components, equipment, systems or products which are subject to classification by DNV.

This Type Approval covers design(s) only, i.e. the Type Approval is not valid for the final product, but may be used as basis for obtaining a product certificate.

Application possible in salted atmosphere.

Type Approval documentation

6024-12-GA-12-PB001 Environmental tests dated 2012-06-18
6024-12-Ga-12-PP001 Salt mist test dated 2012-06-19
SEV electrosuisse Certificate ref. no. IK-3573 dated 2016-05-25
SEV electrosuisse Certificate ref. no. CH-8200 dated 2016-05-25

Tests carried out

Cold, dry heat, damp heat, vibration, flame retardancy, salt mist, insulation resistance, high voltage
EN 60998-1:04, EN 60998-2-1:04, EN 60998-2-3:04, EN 61984: 02

Marking of product

Manufactures label containing data and type number.

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