

# TYPE EXAMINATION CERTIFICATE

**This is to certify:****That the Electrical Equipment**

with type designation(s)  
**podis CON**

Issued to

**Wieland Electric GmbH**  
**Bamberg, 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 **2017-08-15**

This Certificate is valid until **2022-07-24**.

DNV GL local station: **Augsburg**

Approval Engineer: **Harald Amberger**

for **DNV GL**

.....  
**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 Examination Certificate and not to the approval of equipment/systems installed.



## 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 mm<sup>2</sup>

Parts of flat cable installation system:

Flat cable EVA 7G4; 7 x 4 mm<sup>2</sup>

Flat cable XLPE; 7 x 4 mm<sup>2</sup>

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 S00

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\*

Connection 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 manufactures documentation

## **Application/Limitation**

Application possible in salted atmosphere.

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

## **Type Examination documentation**

### **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.

### **Certificate Retention Survey**

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