



Certificate No:
TAE00004KF

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Data transmission cables and systems

with type designation(s)

**DIN Rail Adapter including Connection Module Cat.6 WAGO Article No. 0289-0195 and
Cat.6A WAGO Article No. 0289-0197**

Issued to

**WAGO GmbH & Co. KG
Minden, Nordrhein-Westfalen, Germany**

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 **Høvik** on **2022-10-25**

This Certificate is valid until **2027-10-24**.

DNV local station: **Essen**

for **DNV**

Approval Engineer: **Carsten Hunsalz**

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Frederik Tore Elter
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.



Product description

DIN Rail Adapter including Connection Module Cat.6 and Cat.6A

Type: Cat.6 WAGO Article No. 0289-0195 and Cat.6A WAGO Article No. 0289-0197

Mechanical data:
Pole count: 8
Operating temperature range: -10°C to 60°C
Humidity: 95% (non-condensing)
Contact material: CuSn
Contact surface: > 0.76 µm gold over > 1.2 µm nickel
Housing material: Polycarbonate (UL-94-V0)
unshielded / die-cast (shielded)
IDC contact material: CuSn, tin-plated

Electrical data:
Contacts: 1000 V DC or AC peak
Contact to shield: 1500 V DC
Insulation resistance: > 500 MΩ (100 V DC)
Contact resistance: < 20 mΩ
I/O resistance: < 200 mΩ
I/O resistance unbalance: < 50 mΩ
Current carrying capacity: 1 Amp@60oC

Additional technical data
acc. document: WAGO Data Sheet 0289-0195 and WAGO 0289-0197

Application/Limitation

Manufacturer's installation description, instructions and DNV rules to be followed.

Type Approval documentation

Tests carried out

Standard	Release	General description	Limitation
DNV-CG-0339	2021-08	Environmental test specification for electrical, electronic and programmable equipment and systems	partly
IEC 60603-7-51	2010-03	Connectors for electronic equipment – Part 7-51: Detail specification for 8-way, shielded, free and fixed connectors, for data transmissions with frequencies up to 500 MHz	

Marking of product

Name of manufacturer – type designation

Place of Production

DNV id: 10093577

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)



Job Id: **262.1-037899-1**
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- 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