

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Cable Clamps

with type designation(s)
221, 222, 224, 273, 2273, 773

Issued to

WAGO Kontakttechnik GmbH & Co. KG
Minden, Germany

is found to comply with
DNV GL 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 GL.

This Certificate is valid until **2022-06-17**.

Issued at **Hamburg** on **2017-05-10**

DNV GL local station: **Magdeburg**

for **DNV GL**

Approval Engineer: **Klaus-Peter Schröder**

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

Job Id:
Certificate No: **TAE000015T**

Product description

Splicing connector
Series 221, 222.

Material: Insulation housing: Polyamid 6.6
 Contact bridge: HC copper, contact face tinned
 Clamping spring: Stainless Steel

Type designation	Item No.	Rated Voltage (V)	Rated Current (A)	Rated Cross-Section (mm ²)	Description
Series 221	221-412 221-413 221-415	450	32	4	Splicing connector
Series 222	222-412 222-413 222-414 222-415	400	32	4	Splicing connector

Connectors for Junction Boxes
Series 273, 773 and 2273.

Type designation	Item No.	Rated Voltage (V)	Rated Current (A)	Rated Cross-Section (mm ²)	Description
Series 273	273-100 273-101 273-108 273-153 273-155 273-158 273-163 273-165 273-173 273-175 273-178	400	17,5	1,5	Push wire for junction boxes
	273-102 to -105 273-112 273-114 273-124 273-125 273-135 to -139 273-202 to -205 273-212 273-242 to -245 273-252 to -255 273-258 273-262 to -268	400	24	2,5	Push wire for junction boxes
	273-403 273-453 273-463 273-503	400	32	4	Push wire for junction boxes
Series 773	773-1xx 773-2xx 773-3xx	400	24	2,5	Push wire connector

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	773-4xx				
Series 2273	2273-xxx	450	24	2,5	Push wire connector

Lighting Connectors
Series 224

Series 224	224-101 224-114 224-201	380	24	2,5	Lighting connector
	224-104 224-112	400	24	2,5	Lighting connector

Above listed Item Nos. referring to:
Rail-Mounted Terminal Block Systems
Full Line Catalog, Volume 1 – Edition 2017/2018

Name and Place of Manufacture

WAGO Kontakttechnik GmbH & CO.KG
Hansastraße 27
32423 Minden
Germany

WAGO Kontakttechnik GmbH & CO.KG
Waldstraße 1
99706 Sondershausen
Germany

WAGO Contact SA
Zone Industrielle C
Case postale 168
1564 Domdidier
Switzerland

WAGO ELWAG SP Z OO
UL Piekna 58A
50-506 Wrocław
Poland

WAGO & Controls (India) LTD
C-27 , Sector-58 , Phase-III
Noida UP201301
India

WAGO Electronic (Tianjin) Co LTD
2 ND FL
WU Quing Development Area
83 RD RD
Tianjin
China

Application/Limitation

Terminations in accordance with the manufacturer's instructions.
For use inside switchboards or enclosures.

Type Approval documentation

Tests carried out

EN 60998-1:2004
EN 60998-2-2:2004
Vibration test in accordance with DNVGL-CG-0339 class A.

Marking of product

Wago - Type Designation - Voltage - Cross-section.
Name/code of manufacturing site at product or packing only.
Wago, MCS (Multi connecting system) and cross-section.

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the type are complied with, and that no alterations are made to the product design or choice of systems, software versions, components and/or materials.

The main elements of the assessment are:

- Ensure that type approved documentation is available

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- Inspection of factory samples, selected at random from the production line (where practicable)
 - Review of production and inspection routines, including test records from product sample tests and control routines
 - Ensuring that systems, software versions, components and/or materials used comply with type approved documents and/or referenced system, software, component and material specifications
 - Review of possible changes in design of systems, software versions, components, materials and/or performance, and make sure that such changes do not affect the type approval given
 - Ensuring traceability between manufacturer's product type marking and the type approval certificate
- Periodical assessment is to be performed at least every second year and at renewal of this certificate.

END OF CERTIFICATE