



CERTIFICATE NUMBER	20-HG1941090-PDA
EFFECTIVE DATE	22-Jan-2020
EXPIRY DATE	21-Jan-2025
ABS TECHNICAL OFFICE	Hamburg Engineering Department

CERTIFICATE OF Product Design Assessment

This is to certify that a representative of this Bureau did, at the request of

WAGO KONTAKTECHNIK GMBH & CO. KG

located at

HANSASTR. 27, D-32423 MINDEN, Germany

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

Product Electrical Wire Terminal Block


Model 279 - 285, 870, 880, 2000 - 2006, 2010, 2016, 2020, 2022, 780 - 784, 769, 775 - 777, 826, 869

This Product Design Assessment (PDA) Certificate remains valid until 21/Jan/2025 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

American Bureau Of Shipping


Efstratios Maliatsos, Engineer/Consultant

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010)

WAGO KONTAKTECHNIK GMBH & CO. KG

HANSASTR. 27

D-32423 MINDEN

Germany

Telephone: +49-571-887-0

Fax: +49-571-887-169

Email: info@wago.com

Web: www.wago.com

Tier: 3 - Type Approved, unit certification not required

Product: Electrical Wire Terminal Block

Model: 279 - 285, 870, 880, 2000 - 2006, 2010, 2016, 2020, 2022, 780 - 784, 769, 775 - 777, 826, 869

Intended Service:

Wire terminal blocks and strips.

Description:

1. Series 279, 280, 281, 282, 283, 284, 285, 870, 880, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2010, 2016, 2020, 2022: Rail mounted terminal blocks with Cage Clamp connections.
2. Series 780, 781, 782, 783, 784: Rail mounted terminal blocks TopJob with Cage Clamp connections.
3. Series 769: X-COM system.
4. Series 775, 776, 777: Multilevel installation terminal blocks.
5. Series 826: Feedthrough terminal strips with Cage Clamp connections.
6. Series 869: Compact terminal blocks.

Rating:

Rated Voltage (V): 400, 500, 800, 1000; Rated Currents (A): 10, 16, 18, 20, 24, 25, 32, 41, 57, 76, 120, 125, 232.
Cross Sections: 1.5 - 95.0 mm².

Series 279, 280, 281, 282, 283, 284, 285, 870, 780, 781, 782, 783, 784, 2000, 2001, 2002, 2006, 2010, 2016 certified safe type II 2G Ex eb IIC Gb or IM 2 Ex eb I Mb
(PTB 00ATEX 3113U; PTB 99 ATEX 3109U; PTB 00 ATEX 3110U; PTB 98 ATEX 3131U - 3134U; PTB 03 ATEX 1188U; PTB 00 ATEX 3128U - 3132U; PTB 03 ATEX 1162U, PTB 11 ATEX 1041U; PTB 05 ATEX 1094U; PTB 05 ATEX 1030U/ 1031U/ 1070U); Class I, Zone 1, AEx e II resp. Ex e II (Underwriters Laboratories E185892);

Series 880 certified safe type II 2G Ex e II or Ex e I and II 2 D (PTB 08 ATEX 1044U);

Series 2022 certified safe type II 3 G Ex nA IIC Gc (PTB 13 ATEX 1004U);

Service Restriction:

Unit Certification is not required for this product.

If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

ATEX certified equipment is not to be installed in hazardous areas on U.S vessels unless it can be prove to have been tested to the applicable IEC 60079 series standards by an independent laboratory accepted by the U.S coast Guard. USCG notice 01-12 (February 7, 2012).

All electrical equipment intended for installation in hazardous areas are to be certified safe type based on the class of the hazardous area at its location of installation. Certificates in this regard are to be presented to ABS Surveyor for verification on a case by case basis

Comments:

1. The particular applications are to be approved together with the system or equipment in which the terminals are used.
2. The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

Notes/Drawing/Documentation:

Drawing No. Auftrag ABS Verlängerung 14-HG1293677-PDA, Purchase Order, Revision: -, Pages: -
Drawing No. CCA serie 2004, EN 60947 Certificate, DEKRA, Revision: -, Pages: -
Drawing No. CCA serie 2016, EN 60947 Certificate, DEKRA, Revision: -, Pages: -
Drawing No. CCA Serie 2001, EN 60947 Certificate, DEKRA, Revision: -, Pages: -

WAGO KONTAKTTECHNIK GMBH & CO. KG

HANSASTR. 27

D-32423 MINDEN

Germany

Telephone: +49-571-887-0

Fax: +49-571-887-169

Email: info@wago.com

Web: www.wago.com

Tier: 3 - Type Approved, unit certification not required

Drawing No. CCA Serie 2001 Nr, EN 61984 Certificate, KEMA, Revision: -, Pages: -
Drawing No. CCA Serie 2002 Nr, EN 61984 Certificate, DEKRA, Revision: -, Pages: -
Drawing No. CCA Serie 2004, EN 61984 Certificate, KEMA, Revision: -, Pages: -
Drawing No. CCA Serie 2006, EN 60947 Certificate, DEKRA, Revision: -, Pages: -
Drawing No. CCA Serie 2010, EN 60947 Certificate, DEKRA, Revision: -, Pages: -
Drawing No. CCA Serie 280 and 780, EN 60947 Certificate, DEKRA, Revision: -, Pages: -
Drawing No. CCA Serie 282 und 782, EN 60947 Certificate, DEKRA, Revision: -, Pages: -
Drawing No. CCA Serie 826, EN 60947 Certificate, DEKRA, Revision: -, Pages: -
Drawing No. CCA Serie 880, EN 60947 Certificate, DEKRA, Revision: -, Pages: -
Drawing No. CCA Serie 2003, EN 60947 Certificate, DEKRAxxx, Revision: -, Pages: -
Drawing No. CCA_Serie 769, EN 60947 Certificate, DEKRA, Revision: -, Pages: -
Drawing No. CCA_serie 2000, EN 60947 Certificate, KEMA, Revision: -, Pages: -
Drawing No. CCA serie 2002, EN 60947 Certificate, DEKRA, Revision: -, Pages: -
Drawing No. CCA serie 2003, EN 60998 Certificate, UL International Demko A/A, Revision: -, Pages: -
Drawing No. CCA serie 2005, EN 60947 Certificate, KEMA, Revision: -, Pages: -
Drawing No. CCA serie 2020, EN 60947 Certificate, DEKRA, Revision: -, Pages: -
Drawing No. CCA serie 2022, EN 60947, EN 61984 Certificate, KEMA, Revision: -, Pages: -
Drawing No. CCA_Serie 280, EN 60947 Certificate, DEKRA, Revision: -, Pages: -
Drawing No. CCA_Serie 281 und 781, EN 60947 Certificate, DEKRA, Revision: -, Pages: -
Drawing No. CCA_Serie 283 und 783, EN 60947 Certificate, DEKRA, Revision: -, Pages: -
Drawing No. CCA_Serie 284 und 784, EN 60947 Certificate, DEKRA, Revision: -, Pages: -
Drawing No. CCA_Serie 285 und 785, EN 60947 Certificate, DEKRA, Revision: -, Pages: -
Drawing No. CCA_Serie 775, EN 60947 Certificate, DEKRA, Revision: -, Pages: -
Drawing No. CCA_Serie 776, EN 60947 Certificate, DEKRA, Revision: -, Pages: -
Drawing No. CCA_Serie 777, EN 60947 Certificate, DEKRA, Revision: -, Pages: -
Drawing No. CCA_Serie 869, EN 60947 Certificate, DEKRA, Revision: -, Pages: -
Drawing No. CCA_Serie_279, EN 60947 Certificate, DEKRA, Revision: -, Pages: -
Drawing No. CCA_Serie_870, EN 60947 Certificate, DEKRA, Revision: -, Pages: -
Drawing No. Catalogue, WAGO Full Line Catalogs, Revision: -, Pages: -
Drawing No. E20819eng Serie 2000, Series 2000, Test Report, Wago, 2010-07-27, Revision: -, Pages: -
Drawing No. E21731eng Serie 2022, Series 2022, Test Report, Wago, 2011-06-15, Revision: -, Pages: -
Drawing No. E21732eng Serie 2003, Series 2003, Test Report, Wago, 2011-06-03, Revision: -, Pages: -
Drawing No. E21784eng Serie 2002_22, Series 2002, Test Report, Wago, 2011-10-04, Revision: -, Pages: -
Drawing No. E21898eng Serie 2020_Series 2020, Test Report, Wago, 2011-10-18, Revision: -, Pages: -
Drawing No. RFQ ABS Verlängerung WinSta, PDA Application, Revision: -, Pages: -
Drawing No. Series 0279, ATEX certification, Revision: -, Pages: -
Drawing No. Series 0280, ATEX certification, Revision: -, Pages: -
Drawing No. Series 0281, ATEX certification, Revision: -, Pages: -
Drawing No. Series 0282, ATEX certification, Revision: -, Pages: -
Drawing No. Series 0283, ATEX certification, Revision: -, Pages: -
Drawing No. Series 0284, ATEX certification, Revision: -, Pages: -
Drawing No. Series 0285, ATEX certification, Revision: -, Pages: -
Drawing No. Series 0780, ATEX certification, Revision: -, Pages: -
Drawing No. Series 0781, ATEX certification, Revision: -, Pages: -
Drawing No. Series 0782, ATEX certification, Revision: -, Pages: -
Drawing No. Series 0783, ATEX certification, Revision: -, Pages: -
Drawing No. Series 0784, ATEX certification, Revision: -, Pages: -
Drawing No. Series 0870, ATEX certification, Revision: -, Pages: -
Drawing No. Series 0880, ATEX certification, Revision: -, Pages: -
Drawing No. Series 2000, ATEX certification, Revision: -, Pages: -
Drawing No. Series 2001, ATEX certification, Revision: -, Pages: -
Drawing No. Series 2002, ATEX certification, Revision: -, Pages: -
Drawing No. Series 2006, ATEX certification, Revision: -, Pages: -
Drawing No. Series 2010, ATEX certification, Revision: -, Pages: -

WAGO KONTAKTTECHNIK GMBH & CO. KG

HANSASTR. 27

D-32423 MINDEN

Germany

Telephone: +49-571-887-0

Fax: +49-571-887-169

Email: info@wago.com

Web: www.wago.com

Tier: 3 - Type Approved, unit certification not required

Drawing No. Series 2016, ATEX certification, Revision: -, Pages: -

Drawing No. Series 2022, ATEX certification, Revision: -, Pages: -

Drawing No. UL E185892, UL 60079-7, Underwriters Laboratories Certificate, Revision: -, Pages: -

Terms of Validity:

This Product Design Assessment (PDA) Certificate remains valid until 21/Jan/2025 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

STANDARDS

ABS Rules:

2020 Marine Vessels Rules: 1-1-4/7.7, 1-1-A3, 1-1-A4, 4-8-3/1.7, 4-8-3/1.11.1, 4-8-3/1.17, 4-8-3/13

National:

NA

International:

EN 60947-7-1:2009

EN 60947-7-2:2009

EN 61984:2009

Government:

NA

EUMED:

NA

OTHERS:

NA