



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION

IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEx EPS 15.0015X**

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Certificate history:

Status: **Current**

Issue No: 3

Issue 2 (2019-01-24)

Issue 1 (2015-08-25)

Issue 0 (2015-04-02)

Date of Issue: 2024-06-10

Applicant: **JOWO - Systemtechnik AG**
Lange Wand 12
27753 Delmenhorst
Germany

Equipment: **Connector Type 8811**

Optional accessory:

Type of Protection: **d, tb**

Marking: Housing material stainless steel:

Ex db IIC T6/T5 Gb

Ex tb IIIC T80°C/T100°C Db

Ex db I Mb

Housing material nickel aluminum bronze:

Ex db IIB+H2 T6/T5 Gb

Ex tb IIIC T80°C/T100°C Db

Ex db I Mb

Approved for issue on behalf of the IECEx
Certification Body:

Position:

Signature:
(for printed version)

Date:
(for printed version)



1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

Bureau Veritas Consumer Products Services Germany GmbH
Businesspark A96
86842 Türkheim
Germany





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Manufacturer: **JOWO - Systemtechnik AG**
Lange Wand 12
27753 Delmenhorst
Germany

Manufacturing
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-1:2014 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

IEC 60079-31:2022 Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
Edition:3.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[DE/EPS/ExTR15.0017/02](#)

Quality Assessment Report:

[DE/EPS/QAR12.0001/11](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Type 8811 connector series consists either of 2 mobile connectors for connecting cables or of a part connected to a cable and a permanently mounted part as an introduction into a housing. A screw connection with a locking screw creates a firm connection between the two parts. The connector housing is made of either stainless steel or nickel aluminum bronze. The electrical contact is made by different numbers of pins and sockets.

Electrical data see attachment

SPECIFIC CONDITIONS OF USE: YES as shown below:

The Type 8811 plugs may only carry voltage when plugged and screwed. Loosening the screw connection and unplugging it under voltage is also prohibited.

The permissible ambient temperature range is -30 °C to +70 °C depending on the permitted current and temperature class.

The electrical connection must be carried out exactly according to the operating instructions and only the potting compound Araldite MY757 Aradur HY956 specified by Jowo shall be used.

The copper content of the Nickel aluminum bronze alloy contains more than 65% Copper. Therefore, the housing variant with nickel aluminum bronze shall not be used in atmospheres containing acetylene due to the potential formation of acetylides on external surfaces that can be ignited by friction or impact.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Update of standards and marking

Addition of special conditions

Annex:

[Annex to IECEx EPS 15.0015X Issue No. 3.pdf](#)



Annex to IECEx Certificate of Conformity

IECEx EPS 15.0015X issue No.: 3

Apparatus: Plug connector type 8811



Description:

Connector constituted by coupling of a fixed part (base or in-line receptacle) and of a mobile part (plug) and intended to connect multi wire electric cables (copper contacts). The connector consists of stainless steel, brass or marine bronze.

The two parts assembly is realized by a screwed ring and locked by screw made of stainless steel.

Electrical characteristics:

Enclosure size	Number. of contacts	Contact size	max. current [A] depending on max ambient and temperature class				max. Voltage [V]
			T6 / T80 °C			T5 / T100 °C	
			Ta=40 °C	Ta=50 °C	Ta=60 °C	Ta=70 °C	
1	3	14	14	10	10	10	700
	4	16	9.0	6.4	6.4	6.4	800
	7	20	4.2	3	3	3	600
2	4	12	16	11.4	11.4	11.4	800
	7	14	8.7	6.2	6.2	6.2	700
	3	12	17.2	12.2	12.2	12.2	800
	12	16	6.1	4.3	4.3	4.3	800
	19	20	3.0	2.1	2.1	2.1	600
	4	16	9.0	6.4	6.4	6.4	800
3	16	12	10	7.1	7.1	7.1	800
	21	14	6.0	4.0	4.0	4.0	700
	27	16	4.5	3.2	3.2	3.2	800
	7	12	15	13	9	9	600
	6+PE	12	15	15	10	10	800