



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.: IECEx EPS 15.0015X

Issue No: 2

Certificate history:

[Issue No. 2 \(2019-01-24\)](#)

[Issue No. 1 \(2015-08-25\)](#)

[Issue No. 0 \(2015-04-02\)](#)

Status: **Current**

Page 1 of 5

Date of Issue: **2019-01-24**

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

Equipment: **Connector Type 8811**

Optional accessory:

Type of Protection: **d, tb**

Marking:

JOWO - Systemtechnik GmbH
Address:....
Type 8811

Ex d IIC T6/T5 Gb

Ex t III C T80°C/T100°C IP6X Db

Ex d I Mb

IECEx EPS 15.0015X

WARNING - DO NOT SEPARATE WHEN ENERGIZED (on plug)

Approved for issue on behalf of the IECEx
Certification Body:

Holger Schaffer

Position:

Certification manager

Signature:
(for printed version)

Date:

2019-01-24

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 the [Official IECEx Website](#).

Certificate issued by:





IECEx Certificate of Conformity

Certificate No: IECEx EPS 15.0015X

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Page 2 of 5

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





IECEx Certificate of Conformity

Certificate No: IECEx EPS 15.0015X

Issue No: 2

Date of Issue: 2019-01-24

Page 3 of 5

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

Additional Manufacturing location(s):

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 apparatus 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 : 2011 Explosive atmospheres - Part 0: General requirements

Edition:6.0

IEC 60079-1 : 2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"

Edition:7.0

IEC 60079-31 : 2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"

Edition:2

*This Certificate **does not** indicate compliance with electrical 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/ExTR15.0017/00](#)

[DE/EPS/ExTR15.0017/01](#)

Quality Assessment Report:

[DE/EPS/QAR12.0001/02](#)



IECEx Certificate of Conformity

Certificate No: IECEx EPS 15.0015X

Issue No: 2

Date of Issue: 2019-01-24

Page 4 of 5

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

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 data see attachment

SPECIFIC CONDITIONS OF USE: YES as shown below:

Ambient temperature: -30°C to +70°C (depending on current rating - see electrical data).

The connection shall not be plugged or unplugged when explosive atmosphere is present. Installation instructions of manufacturer must be respected.

The user shall insure there is no residual voltage when the plug is de-energized.



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Certificate No: IECEx EPS 15.0015X

Issue No: 2

Date of Issue: 2019-01-24

Page 5 of 5

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Change of company name. Before: Jowo - Systemtechnik GmbH

Annex:

[Annex to IECEx EPS 15.0015X Issue No. 1.pdf](#)

Annexe to: IECEx EPS 15.0015X issue No.:1

Applicant: JOWO - Systemtechnik GmbH

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