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 UL 23.0015X**	Page 1 of 4	Certificate history:
Status:	**Current**	Issue No: 2	Issue 1 (2023-05-24) Issue 0 (2023-04-21)
Date of Issue:	2025-05-21		

Applicant: **Weidmüller Interface GmbH & Co. KG**
Klingenbergstrasse 26
Detmold 32758
Germany

Equipment: **Power Supplies, Models PRO DCDC 96W 12V/12V 8A, PRO DCDC 96W 24V/12V 8A, PRO DCDC 96W 48V/12V 8A, PRO DCDC 120W 12V/24V 5A and PRO DCDC 120W 48V/24V 5A**

Optional accessory:

Type of Protection: **Increased Safety "ec", Sealed Device "nC"**

Marking: Ex ec nC IIC T4 Gc

-25°C ≤ Tamb ≤ 70°C
(>60°C derating 2.5%/K)

Approved for issue on behalf of the IECEx Certification Body: **Frank Lohrengel**

Position: **Staff Engineer**

Signature:
(for printed version)

Date:
(for printed version) 2025-05-21

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:

UL Solutions (US)
333 Pfingsten Road
Northbrook IL 60062-2096
United States of America

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Date of issue: 2025-05-21 Issue No: 2

Manufacturer: **Weidmüller Interface GmbH & Co. KG**
Klingenbergstrasse 26
Detmold 32758
Germany

Manufacturing locations: **Weidmüller Interface GmbH & Co. KG**
Klingenbergstrasse 26
Detmold 32758
Germany

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 60079-15:2017 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
Edition:5.0

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

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 Reports:

US/UL/ExTR23.0017/00 US/UL/ExTR23.0017/01 US/UL/ExTR23.0017/02

Quality Assessment Report:

NL/DEK/QAR12.0052/10

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

The Models PRO DCDC 96W 12V/12V 8A, PRO DCDC 96W 24V/12V 8A, PRO DCDC 96W 48V/12V 8A, PRO DCDC 120W 12V/24V 5A and PRO DCDC 120W 48V/24V 5A are open type switching power supplies and intended to be used in industrial control applications. The devices are suitable for field wiring, mounted on DIN-rail and for use in Pollution Degree 2 environment. The devices are suitable for direct connection to SELV DC supply source. The equipment shall be installed in a tool accessible enclosure that provides a minimum ingress protection of IP 54 in accordance with IEC 60079-0.

The devices containing 3 PCBs and have identical circuit design with each other except for input ratings and minor components difference specified in critical bill of component.

Please see Annex for additional information.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The equipment shall only be used in an area of at least pollution degree 2, as defined in IEC 60664-1.
- The equipment shall be installed in an enclosure that provides a minimum ingress protection of IP 54 in accordance with IEC 60079-0.
- Transient protection shall be provided that is set at a level not exceeding 140% of the peak rated voltage value at the supply terminals to the equipment.
- Earthing is accomplished through mounting of modules on rail.
- Devices are for operation in Ambient Temperature Range: -25°C ≤ Tamb ≤ 70°C (>60°C derating 2.5%/K) The ambient temperature is applied to the end user enclosure internal air surrounding and at least 25mm away from the device left and right side.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
Issue 1: Correct typo error in manual.

Issue 2: Change of manufacturing location.

Annex:

Annex to IECEx UL 23.0015X Issue 2.pdf

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Annex to Certificate No.: IECEx UL 23.0015X Issue No.: 2

TYPE DESIGNATION

MODEL NOMENCLATURE:

PRO DCDC		96W		12V	/	12V 8A
I		II		III		IV

I. Basic Model – PRO DCDC
II. Maximum Output Power
96W
120W
III. Input Voltage
12V
24V
48V

IV. Output Voltage and Current
12V 8A
24V 5A

PARAMETERS RELATING TO THE SAFETY

Cat. No.	Rated Input (Max. Input range)	Rated Output
PRO DCDC 96W 12V/12V 8A	12Vdc, 9.5A (9-18Vdc, 12.6-6.2A)	12Vdc, 8A
PRO DCDC 96W 24V/12V 8A	24Vdc, 4.5A (18-34Vdc, 5.96-3.16A)	
PRO DCDC 96W 48V/12V 8A	48Vdc, 2.25A (28-58Vdc, 3.8-1.9A)	
PRO DCDC 120W 12V/24V 5A	12Vdc, 11.8A (9-18Vdc, 15.6-7.7A)	24Vdc, 5A
PRO DCDC 120W 48V/24V 5A	48Vdc, 2.85A (28-58Vdc, 4.7-2.3A)	

MARKING

Marking has to be readable and indelible; it has to include the following indications:

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