



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

Ex COMPONENT CERTIFICATE

Certificate No.: **IECEx UL 23.0024U** Page 1 of 4 [Certificate history:](#)
Status: **Current** Issue No: 2 [Issue 1 \(2025-04-15\)](#)
[Issue 0 \(2023-07-05\)](#)

Date of Issue: 2026-01-28

Applicant: **Rittal GmbH + Co. KG**
Auf dem Stützelberg
35745 Herborn
Germany

Ex Component: Empty enclosure made of glass fiber reinforced polyester for stationary mounting, Model AX 92**.***

This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).

Type of Protection: **Increased Safety "eb" and Dust Ignition Protection by Enclosure "tb"**

Marking:
Ex eb IIC Gb
Ex tb IIIC Db

Approved for issue on behalf of the IECEx
Certification Body:

Katy A. Holdredge

Position:

Senior Staff Engineer

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:

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





IECEx Certificate of Conformity

Certificate No.: **IECEx UL 23.0024U**

Page 2 of 4

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Manufacturer: **Rittal GmbH + Co. KG**
Auf dem Stützelberg
35745 Herborn
Germany

Manufacturing locations: **A.L. Fabrica de Material Electrico S.A.**
Zona Industrial Casal da Lebre
Rua da Alemanha lote 6B
Marinha Grande 2430-028
Portugal

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

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

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 component listed has successfully met the examination and test requirements as recorded in:

Test Reports:

[US/UL/ExTR23.0026/00](#)

[US/UL/ExTR23.0026/01](#)

[US/UL/ExTR23.0026/02](#)

Quality Assessment Report:

[DE/TUN/QAR25.0002/00](#)



IECEx Certificate of Conformity

Certificate No.: **IECEx UL 23.0024U**

Page 3 of 4

Date of issue: 2026-01-28

Issue No: 2

Ex Component(s) covered by this certificate is described below:

Empty enclosure Type AX 92**.*** made of glass fiber reinforced polyester for stationary mounting.

Please see Annex for additional information.

SCHEDULE OF LIMITATIONS:

- The devices were tested for a maximum service temperature of 70°C. The equipment shall not attain a temperature of more than 70°C in use.
- The electrical requirements need to be evaluated in the end use.



IECEx Certificate of Conformity

Certificate No.: **IECEx UL 23.0024U**

Page 4 of 4

Date of issue: 2026-01-28

Issue No: 2

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1: Change of Marking Plate and Installation instructions.

Issue 2: Changed QAR linked. Update to marking label and installation instructions.

Annex:

[Annex to IECEx UL 23.0024U Issue 2.pdf](#)

IECEx Certificate of Conformity

Annex to Certificate No.:

IECEx UL 23.0024U

Issue No.: 2

Page 1 of 2

TYPE DESIGNATION

Empty enclosure Type AX 92**.*** made of glass fiber reinforced polyester for stationary mounting.

Nomenclature:

TYPE	AX 9	2	**.	***
I	II	III		IV

I – Type

Empty housing : AX 9

II – Type series – 2

III – Enclosure Dimensions

**. – two-digit number that indicates the dimensions

250 x 350 x 150	= 02
300 x 400 x 200	= 03
400 x 400 x 200	= 04
400 x 600 x 200	= 05
600 x 600 x 200	= 06
500 x 500 x 300	= 07
600 x 800 x 300	= 08
800 x 1000 x 300	= 09

IV – *** – three-digit number that indicates Variants without influence on the explosion protection

PARAMETERS RELATING TO THE SAFETY

Temperature range

The service temperature range is: -40° to +70°C.

Ratings

Ingress protection: IP65

IECEx Certificate of Conformity

Annex to Certificate No.:

IECEx UL 23.0024U

Issue No.: 2

Page 2 of 2

MARKING

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

XX *	
Fert.-Nr. / Prod. No.: **	
UL Nr. / No.: UL 23 ATEX 2986U	
IEC Nr. / No.: IECEx UL 23.0024U	
UL File No: E491886	
Datum / Date: ***	
Prüfer / Inspector ****	
QR-Code	
RITTAL GmbH & Co. KG Auf dem Stuetzelberg, 35745 Herborn	
FRIEDHELM LOH GROUP	
0044	Ex II 2G Ex eb IIC Gb Ex II 2D Ex tb IIIC Db
	Ex eb IIC Gb Ex tb IIIC Db
	Zone 1, AEx eb IIC Gb Zone 21, AEx tb IIIC Db Ex eb IIC Gb U Ex tb IIIC Db U
	 File No. E491886
	T _s -40°C to +70 °C IP65
	