



# 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](http://www.iecex.com)

Certificate No.: **IECEx TUR 23.0030X**

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[Certificate history](#)

Status: **Current**

Issue No: 0

Date of Issue: 2024-02-08

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

Equipment: **Distribution Box Series SAI ...**

Optional accessory:

Type of Protection: **Intrinsic Safety**

Marking: **Ex ia IIC T6 Gb**

Approved for issue on behalf of the IECEx  
Certification Body:

**Christian Mehrhoff**

Position:

**Assigned certifier**

Signature:  
(for printed version)

Date:  
(for printed version)

2024-02-08

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](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**TÜV Rheinland Industrie Service GmbH**  
Am Grauen Stein  
51105 Cologne  
Germany





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Date of issue: 2024-02-08

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Manufacturer: **Weidmüller Interface GmbH & Co. KG**  
Klingenbergrasse 26  
Detmold 32758  
**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 60079-11:2023** Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"  
Edition:7.0

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/TUR/ExTR23.0030/00](#)

Quality Assessment Report:

[NL/DEK/QAR12.0052/09](#)



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## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The module types SAI 04D/08D are distribution boxes for intrinsically safe circuits Ex ia, using M12 connectors for sensor/actuator connection at one side and push in plug and socket connector at the other side.

There can be one intrinsic safe circuit (type OL2) and four or eight intrinsic safe circuits (types NAM, 1:1).

The distribution box series SAI... is only for the connection of certified intrinsically safe circuits Ex ia, whereas the box itself can be located in explosive atmospheres of up to zone 1.

Type Code: see attachment.

Electrical data (each circuit):

$U_i = U_o \leq 30V$

$I_i = I_o \leq 0.8A$

$C_i, L_i = \text{negligible}$

For the determination of the maximum allowed external capacitance ( $C_o$ ) and inductance ( $L_o$ ), the values of the input supply circuits must be considered.

Environmental data:

$-40^{\circ}C \leq T_a \leq +60^{\circ}C$

## SPECIFIC CONDITIONS OF USE: YES as shown below:

1. To prevent potential electrostatic charging hazards, the instructions given in the user manual must be observed.

## Annex:

[IECEx\\_TUR\\_23.0030\\_X\\_00\\_Attachment\\_1.pdf](#)



**Device:** Distribution Box Series SAI ...  
**Type:** types SAI 04D/08D...

**Manufacturer:** Weidmüller Interface GmbH & Co. KG

**Address:** Klingenbergrstr. 26  
32758 Detmold, Germany

Type Code:	I -	II -	III -	IV -	V -	VI -	VII
<b>Example:</b>	SAI -	08D -	VPPP -	4A -	M12O -	NAM -	EX
I -	Series designation: SAI						
II -	Number of M12 connectors: 04 or 08. Layout of the connectors: D				= two connectors in one row		
III -	Description of product: V Material of product: P Description of the connection side: PP HP				= complete distribution box including hood = plastic = Plastic Hood with PUSH IN connection = High zinc diecast hood with PUSH IN connection		
IV -	Number of poles of the M12 connectors: = 2, 4 or 5 Coding of the M12 connector: A			= 2, 4 or 5 = A-coded			
V -	Connection Technology: M Size of the connector: 12 Status LED: O				= screw connection = M12 connectors = without status LED		
VI -	Wiring of the connectors				= NAM, OL2 or 1:1		
VII	Application and approval				= EX		