



# 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)

### Ex COMPONENT CERTIFICATE

Certificate No.: **IECEx TUR 18.0016U**

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[Certificate history](#):

[Issue 0 \(2019-08-29\)](#)

Status: **Current**

Issue No: 1

Date of Issue: 2025-12-02

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

Ex Component: Terminals SAKH Series

*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: **Ex eb**

Marking: Ex eb IIC Gb

Approved for issue on behalf of the IECEx  
Certification Body:

**Christian Mehrhoff**

Position:

**Assigned certifier**

Signature:  
(for printed version)

2025-12-02

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

Manufacturing locations: **Weidmüller Interface GmbH & Co. KG**  
Klingenbergrasse 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 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 60079-7:2017** 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 Report:

[DE/TUR/ExTR18.0016/00](#)

Quality Assessment Report:

[NL/DEK/QAR12.0052/10](#)



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

The terminal blocks of the SAKH-series are suitable for use in enclosures in atmospheres with flammable gases or combustible dust.

for further information, see attachment

## **SCHEDULE OF LIMITATIONS:**

1. The SAKH series products are suitable for use in enclosures in atmospheres with flammable gases or combustible dust. For flammable gases these enclosures must satisfy the requirements according to IEC 60079-0 and IEC 60079-7. For combustible dust the enclosure must satisfy the requirements according to IEC 60079-0 and IEC 60079-31.
2. The enclosure shall be constructed to block all sun and UV light from affecting the terminal blocks. The terminal blocks shall be placed inside a suitable certified IP54 enclosure in type of protection "e" for gas atmosphere. For dust atmosphere the terminal blocks shall be mounted inside a suitable certified enclosure (IEC 60079-31) in type of protection "t"
3. Under normal operating conditions the temperature rise of the terminal blocks is maximum 40 K, measured at the maximum permitted rated current. Due to the above mentioned, the terminal blocks may be used in apparatus of temperature classes T6...T1 as long as the terminal block ambient temperature range is not exceeded. No part of terminal block must exceed 160°C under any condition.
  - T6 (- 50°C ... +40 °C)
  - T5 (- 50°C ... +55 °C)
  - T4 (- 60°C ... +90 °C)
  - T3 (- 60°C ... +120 °C)
4. When using the types SAKH-series products especially with other terminal blocks series or sizes or accessories the requirements for clearance and creepage distances according to table 1 of IEC 60079-7 must be observed. Regarding the use of covers, cross-connectors and end brackets the instructions of the manufacturer must be followed.
5. For cross connection accessories, current rating, resistance across the terminal please refer to the table under "Technical data" of the "Notice to Installers".
6. No other wire sizes or types than the ones specified in instructions must be used. The terminal blocks must either be mounted next to another block of the same type and size or with an end plate.
7. If smaller conductor cross sections than the rated conductor cross sections are used, then the corresponding lower current shall be stated in the Certificate of the complete apparatus.



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

change / correction of manufacturer locations

### Annex:

[IECEx TUR 18.0016U\\_01\\_attachment.pdf](#)



**Device:** Terminals  
**Type:** SAKH Series

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

**Address:** Klingenbergsstraße 26,  
32758 Detmold, Germany

**Equipment and type:**

The assessment covers the following types:  
SAK 4 EP/SW, SAKH 10 EP/SW, SAKH 35 EP/SW, SAKH 6 EP/SW

**Accessories:**

		<b>Type</b>
partition plate		TW SAK4-10 EP/SW
end bracket		MEW 1/32
terminal rail		TS 32/... acc.to IEC 60715
Cross-connection (SAK 4)		Q 2 SAK4 Q 3 SAK4 Q 4 SAK4 Q 10 SAK4
Cross-connection (SAKH 6, SAKH 10)	Cross-connection link	QL 2 SAKH10 QL 3 SAKH10
	Connecting sleeve	VH 12/4.9/3.3 SAK6N
	Fixing screw	KISC M3X20.5/10 EK4
Cross-connection (SAKH 35)	Cross-connection link	QL 2 SAKH35 QL 3 SAKH35 QL 4 SAKH35 QL 10 SAKH35
	Connecting sleeve	VH 17/8/5 SAK35
	Fixing screw	BFSC M4X35

**General product information:**

The terminal blocks of the SAKH-series are suitable for use in enclosures in atmospheres with flammable gases or combustible dust.

Operating temperature ranges:

T6	-60°C up to +160 °C
T5	-60°C up to +40 °C
T4	-60°C up to +55 °C
T3	-60°C up to +90 °C
	-60°C up to +120 °C

*See manufacturer's installation instructions of each single terminal type for details.*