

(1) TYPE EXAMINATION CERTIFICATE



(2) Components intended for use in Potentially Explosive Atmosphere
Directive 2014/34/EU

(3) Type Examination Certificate Number:

TÜV 24 ATEX 9191 U

Issue: 00

(4) Component: **Disconnect and Fuse Terminal Series SDT... and SFS...**

(5) Manufacturer: **Weidmüller Interface GmbH & Co. KG**

(6) Address: **Klingenbergstr. 26
32758 Detmold
Germany**

(7) This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) The Zertifizierungsstelle für Explosionsschutz of TÜV Rheinland Industrie Service GmbH, in accordance with Article 21 of the Council Directive 2014/34/EU of 26th February 2014, certifies this product which has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of components intended for use in potentially explosive atmosphere, given in Annex II to the Directive.

The examination and test results are recorded in the confidential report 331 / Ex9191.00 / 24.

(9) Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:

EN IEC 60079-0: 2018

EN IEC 60079-7:2015/A1:2018

(10) The sign "U" placed after the certificate number indicates that it is a component with respectively schedule of limitations in the annex to this certificate.

(11) This Type Examination Certificate relates only to the design and specification for construction of the component. It does not cover the process for actual manufacture or supply of the component, for which further requirements of the directive are applicable.

(12) The marking of the component shall include the following:



II 3G

Ex ec IIC Gc

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

Cologne, 2025-04-29



This Type Examination Certificate without signature and stamp shall not be valid and may be circulated only without alteration.
Extracts or alterations are subject to approval by Zertifizierungsstelle für Explosionsschutz of TÜV Rheinland Industrie Service GmbH.
Am Grauen Stein • 51105 Köln • Tel. +49 (0) 221 806-0 • Fax. + 49 (0) 221 806 114

(13)

(14)

Annex to

Type Examination Certificate

TÜV 24 ATEX 9191 U

Issue: 00

(15) Description of Component

Component and type:

Disconnect and Fuse Terminal Series
SDT... and SFS...

General product information:

The disconnect terminals (SDT...) and fuse terminals (SFS...) of the A-series are suitable for use in enclosures in atmospheres with flammable gases or combustible dust.

The certificate covers the types:

SDT 2,5 2C
SDT 2,5 3C
SDT 2,5 4C
SDT 4 2C
SFS 4 2C
SFS 4 2C 10-36
SFS 4 2C 30-70
SFS 4 2C 60-150
SFS 4 2C 150-250

Optional accessories:

End plate
End bracket
Terminal rail
Cross connection

SEP ...*
AEB 35 SC/1*
TS 35/... acc.to DIN EN 60715
ZQV aN/b*

a: conductor size (2.5, 4)
b: number of contacts (2....10)
*: in all colours

Technical data:

Operating temperature: -60°C...+130°C (insulating material limit)

For other technical data refer to the "Installation instructions & condition of safe use" for each type of terminal.

(16) Test report No.:

331 / Ex9191.00 / 24

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(17) Schedule of Limitations

1. The fuse and disconnect terminals are suitable for application in enclosures in atmospheres with flammable gases or combustible dust. For use in flammable gases these enclosures must satisfy the requirements according to IEC/EN60079-0 and IEC/EN60079-7. For use in combustible dust these enclosures must satisfy the requirements according to IEC/EN60079-0 and IEC/EN60079-31.
2. Regarding the use of accessories, the instructions of the manufacturer must be followed.
3. The enclosure shall be constructed to block all sun and UV light from affecting the terminal blocks.
4. Do not remove or replace the test disconnect switch when energized!
5. When using the types of fuse or disconnect terminals especially with other terminal blocks series or sizes or accessories the requirements for clearance and creepage distances of IEC/EN 60079-7 must be maintained. Regarding the use of covers, cross-connectors and end brackets the instructions of the manufacturer must be followed.
6. When using ferrules for flexible conductors, it must be ensured that the test requirements of DIN 46228-1 and DIN 46228-4 are complied with. The length of the copper ferrule must correspond to the specified stripping length.
7. 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.
8. A thermal assessment for the classification into the temperature classes T6.....T1 shall be performed. No part of terminal block must exceed 130 °C under any condition.
9. The insulation material of the conductors shall meet the temperature requirements.
 - Cross connections with blank ends shall not be used.
 - Manually cut cross connections shall not be used.

(18) Essential Health and Safety Requirements

The Essential Health and Safety Requirements are covered by the standards listed at item 9.

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

Cologne, 2025-04-29



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