

CERTIFICATE OF CONFORMITY



- HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT PER US REQUIREMENTS**
- Certificate No:** FM21US0071X
- Component:** Series 8571/22. SolConeX Plug
(Type Reference and Name)
- Name of Listing Company:** R STAHL Schaltgeräte GmbH
- Address of Listing Company:** Am Bahnhof 30
74638 Waldenburg
GERMANY
- The examination and test results are recorded in confidential report number:

PR459573 dated 16th September 2021
- FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:

FM Approvals Class 3600:2018, FM Approvals Class 3611:2018, FM Approvals Class 3616:2011, ANSI/UL 60079-0:2019, ANSI/UL 60079-1:2015, ANSI/UL 60079-7:2015, ANSI/UL 60079-31:2015, ANSI/UL 50:2015, ANSI/UL50E:2020, ANSI/UL 486E:2017, and ANSI/UL 508:2008
- If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to specific conditions of use specified in the schedule to this certificate.
- This certificate relates to the design, examination and testing of the products specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the product as examined, tested and Approved.

Certificate issued by:



J.E. Marquedant
VP, Manager - Electrical Systems

20 January 2022

Date

To verify the availability of the Approved product, please refer to www.approvalguide.com

THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE

FM Approvals LLC. 1151 Boston-Providence Turnpike, Norwood, MA 02062 USA
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SCHEDULE



US Certificate of Conformity No: FM21US0071X

10. Equipment Ratings:

Series 8571/22:

Class I, Zone 1, AEx eb IIC T6...T5 Gb Ta = -50 °C to +65 °C

Zone 21, AEx tb IIIC T81°C Ta = -50 °C to +65 °C

Class I, Division 2, Groups A, B, C, D, T6...T5 Ta = -50 °C to +65 °C

Class II-III, Division 1, Groups E, F, G, T6...T5 Ta = -50 °C to +65 °C

Type 3, 4, 4X

Ambient temperature rating – Although the standard ambient temperature range marking for the product is -50 °C ≤ T_A < +65 °C, it may be further restricted as follows:

-40 °C ≤ T_A < +65 °C When EPDM gasket material D0122 is employed.

The application of the product at a particular current with a desired temperature class of either T5 or T6, may further limit the maximum ambient temperature in which the product can be applied. Full details on establishing the maximum ambient are included in the instructions.

11. The marking of the equipment shall include:

Hazardous location ratings per Section 12

Ambient temperature rating

Manufacturer's name and address

Type number

Date Code

Electrical ratings

12. **Description of Equipment:**

The Series 8571/22 Plug is intended only for connection to the Series 8571/21, 8571/25, or 8571/28 Receptacle. The Series 8571/22 Plug is available with 4 and 5 Pole constructions with rated voltages up to 600 VAC, and ratings up to 30 A and 25 hp.

8571/22-a. SolConeX Plug.

I / 1 / AEx eb / IIC / T6 / Gb Ta = -50°C to +65°C

21 / AEx tb / IIIC / T81°C / Db Ta = -50°C to +65

S / I / 2 / ABCD / T6 Ta = -50°C to +65°C

DIP / II,III / 1 / EFG / T6 Ta = -50°C to +65°C

Type 3, 4, 4X

a = Configuration 405, 406, 407, 409, 410, 411, 502, 503, 504, 505, 506, 507, 509, 510, and 511.

Ambient temperature rating – Although the standard ambient temperature range marking for the product is -50 °C ≤ T_A < +65 °C, it may be further restricted as follows:

-40 °C ≤ T_A < +65 °C When EPDM gasket material D0122 is employed.

The application of the product at a particular current with a desired temperature class of either T5 or T6, may further limit the maximum ambient temperature in which the product can be applied. Full details on establishing the maximum ambient are included in the instructions.

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13. Specific Conditions of Use:

1. The plug shall not be applied in an explosive dust atmosphere where high electrostatic charging processes are present that could result in propagating brush discharges. See IEC TS60079-32-1 for additional guidance.
2. Protective cap shall be tight when plug is not inserted in a receptacle.
3. Plug is suitable for connection to a 8571/21, 8571/25, or 8571/28 receptacle of the same configuration and electrical ratings.

14. Test and Assessment Procedure and Conditions:

This Certificate has been issued in accordance with FM Approvals US Certification Requirements.

15. Schedule Drawings

A copy of the technical documentation has been kept by FM Approvals.

16. Certificate History

Details of the supplements to this certificate are described below:

Date	Description
16 th September 2021	Original Issue.
20 th January 2022	Supplement 01: Report Reference:RR231212 dated 20 th January 2022. Description of the Change: Revisions to 5-Pole bayonet ring

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