

CERTIFICATE OF CONFORMITY



1. **HAZARDOUS (CLASSIFIED) LOCATION COMPONENT PER US REQUIREMENTS**
2. **Certificate No:** FM20US0118U
3. **Component:** Series 8570/25. SolConeX Switched Flange Receptacle.
(Type Reference and Name)
4. **Name of Listing Company:** R STAHL Schaltgeräte GmbH
5. **Address of Listing Company:** Am Bahnhof 30
74638 Waldenburg
GERMANY
6. The examination and test results are recorded in confidential report number:

PR454809 dated 13th April 2021
7. 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 486E:2017, ANSI/UL 508:2008, ANSI/UL 50:2020, and ANSI/UL 50E:2020
8. The sign 'U' placed after the certificate number indicates that this certificate must not be mistaken for a certificate for equipment or a protective system. This certificate may only be used as the basis for the certification of equipment or a protective system. This certificate is issued to the manufacturer also intended to be the holder of the equipment certificate which includes this component.
9. This certificate relates to the design, examination and testing of the component 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 component as examined, tested and Approved.

Certificate issued by:

J.E. Marquedant
VP, Manager - Electrical Systems

13 April 2021
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



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10. Component Ratings:

Series 8570/25:

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

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

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

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

Temperature rating – Although the standard temperature range marking for the product is $-50\text{ °C} \leq Ta < +65\text{ °C}$, it may be further restricted as follows:

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 component 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 8570/25 Receptacle is intended only for connection to the Series 8570/22 Plug. The Series 8570/25 Receptacle is available with 3, 4, and 5 Pole constructions with rated voltages up to 600 VAC, and ratings up to 20 A and 15 hp. Auxiliary contact blocks 85 708 05 76 0 and 85 708 06 76 0 have an A600 control circuit rating. Contact blocks 85 708 07 76 0 and 85 708 08 76 0 are suitable for use as "Simple Apparatus" in Intrinsically Safe Circuits.

8570/25-a. SolConeX Component Switched Flange Receptacle.

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

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

S / I / 2 / ABCD Ta = -50°C to +65°C

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

85 708 05 76 0. Optional Auxiliary contact block NC — 85 706 07 30 0

85 708 06 76 0. Optional Auxiliary contact block NO — 85 706 07 30 0

85 708 07 76 0. Optional Auxiliary contact block NC for I.S. circuit — 85 706 07 30 0

85 708 08 76 0. Optional Auxiliary contact block NO for I.S. circuit — 85 706 07 30 0

a = Configuration 302, 304, 305, 306, 307, 309, 310, 402, 403, 404, 405, 406, 407, 409, 410, 411, 412, 502, 503, 504, 505, 506, 507, 509, 510, and 511.

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The application of the product at a particular current 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.

13. Schedule of Limitations:

1. For Class I, Zone 1 applications, the Component Switched Flange Receptacle shall be installed in an Increased Safety “eb” enclosure.
2. For Class I, Zone 1 applications, the Component Switched Flange Receptacle shall be installed in an enclosure such that the creepage and clearance complies with the Increased Safety “eb” spacing requirements of ANSI/UL 60079-7.
3. For Zone 21 applications, the Component Switched Flange Receptacle shall be installed in a dust protected “tb” enclosure.
4. For Class I, Division 2 applications, the Component Switched Flange Receptacle shall be installed in an enclosure that complies with the ingress requirements for the specific application.
5. For Class I, Division 2 applications, the Component Switched Flange Receptacle shall be installed in the enclosure such that the creepage and clearance comply with the requirements of specific application.
6. For Class II, Division 1 applications, the Component Switched Flange Receptacle shall be installed in a dust-ignitionproof enclosure.
7. For Class II, Division 1 applications, the Component Switched Flange Receptacle shall be installed in the enclosure such that the creepage and clearance comply with the requirements of specific application.
8. The Component Switched Flange Receptacle protective cap is intended to be in place when plug is not inserted in the receptacle.
9. The Component Switched Flange Receptacle is suitable for connection to a 8570/22 plug of the same configuration and electrical ratings.
10. The Component Switched Flange Receptacle 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.

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
13 th April 2021	Original Issue.

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