



Member of the FM Global Group

FM Approvals  
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# CERTIFICATE OF COMPLIANCE

## HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

**8570/22-a. Plug.**

**8570/21-a. Receptacle.**

**85 708 05 76 0. Optional Auxiliary contact block NC**

**85 708 06 76 0. Optional Auxiliary contact block NO**

**85 708 07 76 0. Optional Auxiliary contact block NC for I.S. circuit**

**85 708 08 76 0. Optional Auxiliary contact block NO for I.S. circuit**

S / I / 2 / ABCD / T6 Ta = -50 °C to +55 °C; DIP / II,III / 1 / EFG / T6 Ta = -50 °C to +55 °C;

I / 1 / AEx d e IIC / T6 Ta = -50 °C to +55 °C

a = Configuration 302, 304, 305, 306, 307, 309, 404, 405, 406, 407, 409, 411, 412, 504, 505, 506, 507, 509, and 511.

**8570/5-a. Component Flange Receptacle.**

**85 708 05 76 0. Optional Auxiliary contact block NC**

**85 708 06 76 0. Optional Auxiliary contact block NO**

**85 708 07 76 0. Optional Auxiliary contact block NC for I.S. circuit**

**85 708 08 76 0. Optional Auxiliary contact block NO for I.S. circuit**

S / I / 2 / ABCD / T6 Ta = -50 °C to +55 °C; DIP / II,III / 1 / EFG / T6 Ta = -50 °C to +55 °C;

I / 1 / AEx d e IIC / T6 Ta = -50 °C to +55 °C; — 85 706 06 30 0

a = Configuration 302, 304, 305, 306, 307, 309, 404, 405, 406, 407, 409, 411, 412, 504, 505, 506, 507, 509, and 511

**8571/22-a. Plug.**

**8571/21-a. Receptacle.**

**85 708 05 76 0. Optional Auxiliary contact block NC**

**85 708 06 76 0. Optional Auxiliary contact block NO**

**85 708 07 76 0. Optional Auxiliary contact block NC for I.S. circuit**

**85 708 08 76 0. Optional Auxiliary contact block NO for I.S. circuit**

S / I / 2 / ABCD / T6 Ta = -50 °C to +40 °C, T5 Ta = -50 °C to +55 °C;

DIP / II,III / 1 / EFG / T6 Ta = -50 °C to +40 °C, T5 Ta = -50 °C to +55 °C;

I / 1 / AEx d e IIC / T6 Ta = -50 °C to +40 °C, T5 Ta = -50 °C to +55 °C

a = Configuration 404, 405, 406, 407, 409, 411, 412, 504, 505, 506, 507, 509, and 511.

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**8571/5-a. Component Flange Receptacle.**

**85 708 05 76 0. Optional Auxiliary contact block NC**

**85 708 06 76 0. Optional Auxiliary contact block NO**

**85 708 07 76 0. Optional Auxiliary contact block NC for I.S. circuit**

**85 708 08 76 0. Optional Auxiliary contact block NO for I.S. circuit**

S / I / 2 / ABCD / T6 Ta = -50 °C to +40 °C, T5 Ta = -50 °C to +55 °C;

DIP / II,III / 1 / EFG / T6 Ta = -50 °C to +40 °C, T5 Ta = -50 °C to +55 °C;

I / 1 / AEx d e IIC / T6 Ta = -50 °C to +40 °C, T5 Ta = -50 °C to +55 °C; — 85 716 05 30 0

a = Configuration 404, 405, 406, 407, 409, 411, 412, 504, 505, 506, 507, 509, and 511

**8575/22-a. Plug.**

**8575/21-a. Receptacle.**

S / I / 2 / ABCD / T6; DIP / II,III / 1 / EFG / T6; I / 1 / AEx d e IIC / T6

a = Configuration 100, 112, 200, 212, 304, 305, 306, 307, 309, 404, 405, 406, 407, 409, 412, 504, 505, 506, 507, and 509.

**8578/22-b. Plug.**

**8578/21-b. Receptacle.**

S / I / 2 / ABCD / T6; DIP / II,III / 1 / EFG / T6; I / 1 / AEx d e IIC / T6

b = Configuration 404, 405, 406, 407, 409, 412, 504, 505, 506, 507, 509, and 512.

**8579/22-b. Plug.**

**8579/21-b. Receptacle.**

**8579/41-b. Receptacle.**

S / I / 2 / ABCD / T6 Ta = -30 °C to +40 °C; DIP / II,III / 1 / EFG / T6 Ta = -30 °C to +40 °C;

I / 1 / AEx d e IIC / T6 Ta = -30 °C to +40 °C

b = Configuration 404, 405, 406, 407, 409, 412, 504, 505, 506, 507, 509, and 512.

**8581/22-b. Plug.**

**8581/21-b. Receptacle.**

**8581/41-b. Receptacle.**

S / I / 2 / ABCD / T5 Ta = -30 °C to +40 °C; DIP / II,III / 1 / EFG / T5 Ta = -30 °C to +40 °C;

I / 1 / AEx d e IIC / T5 Ta = -30 °C to +40 °C

b = Configuration 404, 405, 406, 407, 409, 412, 504, 505, 506, 507, 509, and 512.

## Equipment Ratings:

The Series 8570/... is suitable for Class I, Division 2, Groups ABCD, T6 Ta = 55 °C; dust ignitionproof for Class II/III, Division 1, Groups EFG, T6 Ta = -50 °C to +55 °C, suitable for Class I, Zone 1, AEx d e IIC T6 Ta = -50 °C to +55 °C; indoor and outdoor (Type 3, 4, 4X, IP66) hazardous (classified) locations.

The Series 8571/... is suitable for Class I, Division 2, Groups ABCD, T6 Ta = -50 °C to +40 °C, T5 Ta = -50 °C to +55 °C; dust ignitionproof for Class II/III, Division 1, Groups EFG, T6 Ta = -50 °C to +40 °C, T5 Ta = -50 °C to +55 °C, suitable for Class I, Zone 1, AEx d e IIC T6 Ta = -50 °C to +40 °C, T5 Ta = -50 °C to +55 °C; indoor and outdoor (Type 3, 4, 4X, IP66) hazardous (classified) locations.

The Series 8575/... is suitable for Class I, Division 2, Groups ABCD, T6; dust ignitionproof for Class II/III, Division 1, Groups EFG, T6, suitable for Class I, Zone 1, AEx d e IIC T6; indoor and outdoor hazardous (classified) locations.

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The Series 8578/... is suitable for Class I, Division 2, Groups ABCD, T6; dust ignitionproof for Class II/III, Division 1, Groups EFG, T6, suitable for Class I, Zone 1, AEx d e IIC T6; indoor and outdoor hazardous (classified) locations.

The Series 8579/... is suitable for Class I, Division 2, Groups ABCD, T6 Ta = -30 °C to +40 °C; dust ignitionproof for Class II/III, Division 1, Groups EFG, T6 Ta = -30 °C to +40 °C, suitable for Class I, Zone 1, AEx d e IIC T6 Ta = -30 °C to +40 °C; indoor and outdoor hazardous (classified) locations.

The Series 8581/... is suitable for Class I, Division 2, Groups ABCD, T5 Ta = -30 °C to +40 °C; dust ignitionproof for Class II/III, Division 1, Groups EFG, T5 Ta = -30 °C to +40 °C, suitable for Class I, Zone 1, AEx d e IIC T5 Ta = -30 °C to +40 °C; indoor and outdoor hazardous (classified) locations.

#### FM Approved for:

R STAHL Schaltgeräte GmbH  
74638 Waldenburg GERMANY

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This certifies that the equipment described has been found to comply with the following Approval Standards and other documents:

Class 3600	2011
Class 3611	2004
ANSI/NEMA 250	1991
ANSI/IEC 60529	2004
ANSI/ISA 60079-0	2009
ANSI/ISA 60079-1	2009
ANSI/ISA 60079-7	2008

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Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
0D9A3.AE	October 31, 1997	3D5A5.AE	April 26, 1999
3021899	January 26, 2005	3031009	October 8, 2007
04042008	May 28, 2008	3039954	July 20, 2011
3044380	August 31, 2012	3050350	September 6, 2013

FM Approvals LLC



Robert L Martell  
Assistant Vice President

September 6, 2013

Date

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