



## QVAJ.E81680

### Process Control Equipment for Use in Zone Classified Hazardous Locations

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## Process Control Equipment for Use in Zone Classified Hazardous Locations

[See General Information for Process Control Equipment for Use in Zone Classified Hazardous Locations](#)

**R STAHL SCHALTGERAETE GMBH**  
AM BAHNHOF 30  
74638 WALDENBURG, GERMANY

E81680

**Class I, Zone 0, AEx ia IIB T4; and Class I, Zone 1, Aex ia IIC T4 Hazardous Locations.**

**Intrinsically safe LED indicator light**, Model 8013/32 per drawing No. 80 136 01 31 3.

**Class I, Zone 0, Aex ia IIC T4 Hazardous Locations.**

**Pilot light**, Type 8010/3, followed by 03 or 05, followed by ws, intrinsically safe when installed per Control Drawing No. 80-106-01-31-3.

**Class I, Zone 2, AEx nC II C.**

**Data interface modules** , Types 9186/15-12-11, 9186/25-12-11.

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**Associated apparatus, nonhazardous locations**

Shunt diode barriers for installation in panel assemblies, Types 8901/30-086/150/ab, 8901/30-199/100/ab, 8901/31-086/150/ab, 8901/31-199/100/ab, 8901/32-196/125/ab, 8901/33-273/000/00, 8901/34-273/000/00. (ab=number 00 through 99). The barriers provide intrinsically safe circuits for use in Class I, Groups A, B, C and D, Class II, Groups E, F and G, hazardous locations when used in accordance with R. Stahl instruction manual No. 8901601310.

Shunt diode barriers for installation in panel assemblies, Types 8901/30-280/165/ab, 8901/31-280/165/ab, 9011/00-280/220/00, 9011/01-280/220/00. (ab=number 00 through 99). The barriers provide intrinsically safe circuits for use in Class I, Groups C and D, Class II, Groups E, F and G, hazardous locations when used in accordance with R. Stahl instruction Manual No. 8901601310.

Shunt diode barriers for installation in panel assemblies, Types 9011/00-280/280/00, 9011/01-280/280/00. The barriers provide intrinsically safe circuits for use in Class I, Group D, Class II, Groups E, F and G, hazardous locations when used in accordance with R. Stahl instruction manual No. 9011601310.

Relay repeater, Model 9250 followed by /01, followed by -10, -40 or -60 providing intrinsically safe circuits for use in Class I, Groups A, B, C and D; Class II, Groups E, F and G; Class III; or Class I, Zone 0, Group IIC hazardous locations when installed in accordance with installation wiring diagram, Drawing No. 9250601310.

Relay repeater, Model 9251 followed by /01 or /02, followed by -10, -20, -40 or -60 providing intrinsically safe circuits for use in Class I, Groups A, B, C and D; Class II, Groups E, F and G; Class III hazardous locations when installed in accordance with installation wiring diagram Drawing No. 9251601310.

Switching repeater, Type 9350 followed by /10 or /20, followed by -11, -12, -14, -15, -21, -24 or -25, followed by -10, provides intrinsically safe outputs for Class I, Div. 1, Groups A, B, C, D, Class II, Div. 1, Groups E, F and G, Class III, Div. 1 hazardous locations when connected per drawing 93 506 01 31 0.

Module Carrier, Type 9161 followed by 3 sets of any two letters or number combinations.

Transmitter, Type 9103 followed by /11, /13, /15, /21, /23 or /25, followed by -22 or -24, followed by -10 or -11.

mA Isolating Repeater Type 9111 followed by /51, /52 or /54, followed by -11, followed by -00.

mA Isolating Repeater Type 9118 followed by /11, /12 or /16, followed by -11, -12, -21 or -22, followed by -10.

Multi-Purpose Transmitter Type 9124/10-51-11.

Switching Repeater Type 9150 followed by /10 or /20, followed by -11, -14, -15, -21, -24 or -25, followed by -10.

Binary Output Isolator Type 9151 followed by /10, followed by -10, -11, -12, -13, -14, -15, -16 or -17, followed by -10; providing intrinsically safe circuits for use in Class I, Division 1, Groups A, B, C and D, Class II, Groups E, F and G, Class III hazardous locations when installed in accordance with control drawing No. 91 006 01 31 0.

Transmitter Supply Unit, Model 9160, followed by /1 or /2, followed by 1, 3 or 9, followed by -1, followed by 0 or 1, followed by -11, providing intrinsically safe circuits for use in Class I, Groups A, B, C and D; Class II, Groups E, F and G; and Class III Hazardous Locations when installed per control drawing No. 91 606 01 31 3.

Isolating Repeater HART Input, Model 9163, followed by /1 or /2, followed by 3, followed by -1, followed by 0 or 1, followed by -11, providing intrinsically safe circuits for use in Class I, Groups A, B, C and D; Class II, Groups E, F and G; and Class III Hazardous Locations when installed per control drawing No. 91 636 01 31 3.

Isolating Repeater, Model 9165, followed by /1 or /2, followed by 1 or 6, followed by -11, followed by -1, followed by 1 or 3, providing intrinsically safe circuits for use in Class I, Groups A, B, C and D; Class II, Groups E, F and G; and Class III Hazardous Locations when installed per control drawing No. 91 656 01 31 3.

Isolating Repeater Loop Powered, Model 9167, followed by /1 or /2, followed by 1, 3 or 4, followed by -11, followed by -00, providing intrinsically safe circuits for use in Class I, Groups A, B, C and D; Class II, Groups E, F and G; and Class III Hazardous Locations when installed per control drawing No. 91 676 01 31 3.

Switching Repeater, Model 9170, followed by /1 or /2, followed by 0, followed by -1, -2, -3, -4 or -5, followed by 0, 1, 2, 3 or 4, followed by -1 or -2, followed by 1, providing intrinsically safe circuits for use in Class I, Groups A, B, C and D; Class II, Groups E, F and G; and Class III Hazardous Locations when installed per control drawing No. 91 706 01 31 3.

I.S. Relay Module, Model 9172, followed by /1 or /2, followed by 0 or 1, followed by -11, followed by -00, providing intrinsically safe circuits for use in Class I, Groups A, B, C and D; Class II, Groups E, F and G; and Class III Hazardous Locations when installed per control drawing No. 91 726 01 31 3.

Digital Output, Model 9175, followed by /1 or /2, followed by 0, followed by -1, followed by 2, 4 or 6, followed by -11, providing intrinsically safe circuits for use in Class I, Groups A, B, C and D; Class II, Groups E, F and G; and Class III Hazardous Locations when installed per control drawing No. 91 756 01 31 3.

Digital Output Loop Powered, Model 9176, followed by /1 or /2, followed by 0, followed by -1, followed by 2, 4, 5, or 6, followed by -00, providing intrinsically safe circuits for use in Class I, Groups A, B, C and D; Class II, Groups E, F and G; and Class III Hazardous Locations when installed per control drawing No. 91 766 01 31 3.

Temperature Transmitter, Model 9182, followed by /1 or /2, followed by 0, followed by -5, followed by 0, 1, 3 or 9, followed by -1, followed by 1 or 2, providing intrinsically safe circuits for use in Class I, Groups A, B, C and D; Class II, Groups E, F and G; and Class III Hazardous Locations when installed per control drawing No. 91 826 01 31 3.

**Associated apparatus, Class I, Div 2, Groups A, B, C and D.**

Switching repeaters, Type 9350 followed by /10 or /20, followed by -14, -15, -24 or -25, followed by -10, provides intrinsically safe outputs for use in Class I, Groups A, B, C and D; Class II, Groups E, F and G; Class III, hazardous locations when installed in accordance with control drawing 93 506 01 31 0; Type 9351/10 followed by -10, -11, -12, -13, -14, -15, -16 or -17, followed by -10, provides intrinsically safe outputs for use in Class I, Groups A, B and D; Class II, Groups E, F and G; Class III, Hazardous Locations when installed in accordance with control drawing 93 516 01 31 0.

Power supply, Type 9381/10 followed by -065-150, -065-200, -120-200, -124-115, -124-150, -140-093, -158-065, -187-050, -246-035, followed by -10 or -50, provides intrinsically safe outputs for use in Class I, Division 1, Groups A, B, C and D, Class II Groups E, F and G, Class III hazardous locations when connected per drawing 93 816 01 31 0.

Power supply, Type 9381/10 followed by -124-195, -158-150, -158-160, -187-100, -246-055 or -246-070, followed by -10 or -50, provides intrinsically safe output for use in Class I, Division 1, Groups C and D, Class II Groups E, F and G, Class III hazardous locations when connected per drawing 93 816 01 31 0.

**Associated apparatus, Class I, Division 2, Groups A, B, C and D.**

Transmitter, Type 9303 followed by /11, /13 or /15, followed by -22 or -24, followed by -10 or -11; provides intrinsically safe circuits for use in Class I, Division 1, Groups A, B, C and D; Class II, Groups E, F and G; Class III hazardous locations when installed in accordance with control drawing 93 036 01 31 0.

**Associated apparatus, Class I, Div. 2, Groups A, B, C and D; Class II, Div. 2, Groups F and G, Class III, hazardous locations.**

Relay repeater, Model 9250/05-10 providing intrinsically safe circuits for use in Class I, Groups A, B, C and D; Class II, Groups E, F and G; Class III hazardous locations when installed in accordance with installation wiring diagram Drawing No. 9250601310.

Shunt diode barriers providing intrinsically safe circuits for use in Class I, Groups A, B, C and D; Class II, Groups E, F and G; Class III hazardous locations when installed in accordance with control drawing No. 9001601310 or 9002601310; Models 9001/51-280-091-14, -110-14, 9002/00-120-024-00, 9002/00-260-138-00, 9002/10-210-030-00, 9002/11-120-024-00, 9002/11-130-360-00, 9002/11-137-029-00, 9002/11-260-138-00, 9002/11-280-293-00, -293-02, -112-00, 9002/13-199-225-00, 9002/13-252-121-04, 9002/13-280-093-00, -100-04, -110-00, 9002/22-016-383-11, 9002/22-032-300-11, 9002/22-048-442-11, 9002/22-093-040-00, -300-00, 9002/158-200-00, 9002/22-240-024-00, -160-00, 9002/33-280-000-00, 9002/34-280-000-00, 9002/77-093-040-00, -300-00, 9002/77-100-400-00, 9002/77-150-300-00, 9002/77-220-146-00, 9002/77-280-094-00, 9001/a-050-050-10, -100-10, -150-10, 9001/a-083-442-10, 9001/a-086-010-10, -020-10, -050-10, -075-10, -100-10, -150-10, -270-10, -390-10, 9001/a-126-020-10, -050-10, -075-10, -100-10, -140-10, -150-10, 9001/a-137-065-10, 9001/a-158-005-10, -150-10, -270-10, -390-10, 9001/a-168-007-10, -020-10, -050-10, -075-10, -100-10, 9001/a-199-010-10, -020-10, -038-10, -050-10, -070-10, -100-10, -150-10, -270-10, 9001/a-252-057-14, -060-14, -070-10, -100-14, 9001/a-280-020-10, -050-10, -075-10, -085-10, -100-10, -110-10, 9001/a-315-020-10, -050-10, -070-10, 9001/a-398-020-10, -050-10, 9001/b-016-015-10, -050-10, -050-11, -150-10, -150-11, -320-10, 9001/b-061-020-10, -050-10, -150-10, 9001/b-093-003-10, -020-10, -030-10, -050-10, -075-10, -100-10, -120-10, -150-10, -250-10, -270-10, -390-10, 9001/b-133-003-10, -020-10, -050-10, -075-10, -100-10, -120-10, -150-10, 9001/b-172-270-10, -390-10, 9001/b-175-020-10, -050-10, -075-10, -100-10, -120-10, -150-10, -200-10, 9001/b-196-010-10, -020-10, -030-10, -050-10, -075-10, -100-10, -120-10, -125-10, -150-10, 9001/b-224-020-10, -050-10, -075-10, -100-10, -120-10, -150-10, 9001/b-280-015-10, -020-10, -050-10, -075-10, -090-10, -120-10, 9001/b-307-075-10, 9001/b-412-040-10, 9001/c-086-000-10, 9001/c-168-000-10, 9001/c-199-000-10, 9001/c-280-000-10. All model designations may be followed by 1.

Shunt diode barriers providing intrinsically safe circuits for use in Class I, Groups C and D; Class II, Groups E, F and G; Class III hazardous locations when installed in accordance with control drawing No. 9001601310 or 9002601310; Models 9002/00-280-186-00, 9002/11-280-186-00, 9002/11-280-244-00, 9002/13-280-188-00, 9002/77-220-296-00, 9001/a-199-390-10, 9001/a-280-165-10, 9001/b-217-270-10, -390-10, 9001/b-307-130-10, 9001/b-412-065-10, -095-10. All model designations may be followed by 1.

Shunt diode barrier combinations providing intrinsically safe circuits for use in Class I, Groups A, B, C and D; Class II, Groups E, F and G; Class III hazardous locations when installed in accordance with control Drawing Nos. 9000-2UL and 9000-6UL.

Shunt diode barrier combinations providing intrinsically safe circuits for use in Class I, Groups C and D; Class II, Groups E, F and G; Class III hazardous locations when installed in accordance with control Drawing Nos. 9000-3UL, 9000-4UL.

Shunt diode barrier combinations providing intrinsically safe circuits for use in Class I, Group D; Class II, Groups E, F and G; Class III hazardous locations when installed in accordance with control Drawing Nos. 9000-1UL, 9000-5UL.

Shunt diode barriers providing intrinsically safe circuits for use in Class I, Group D; Class II, Groups E, F and G; Class III hazardous locations when installed in accordance with control Drawing No. 9001601310; Models 9001/a-280-280-10, 9001/b-308-230-10.

Where a = 00 or 01, b = 02, c = 03 or 04, d = 05 or 06. All model designations may be followed by 1.

**Class I, Groups A, B, C and D; Class II, Groups E, F and G; Class III.**

Intrinsically safe LED indicator lights, Models 8415/24-50 with Type 8415/2 (amber, green, white, red, amber/red star pattern or amber/red triangle pattern) LED cluster lamp per drawing No. 84 156 01 31 0.

**Class I, Division 1, Groups A, B, C and D.**

Intrinsically safe LED indicator lights, Model 8013/32 when installed in accordance with control drawing No. 80 136 01 31 3.

**Class I, Division 1, Groups A, B, C and D.**

**Pilot light** , Type 8010/3 followed by 03 or 05, followed by ws, intrinsically safe when installed per Control Drawing No. 80-106-01-31-3.

**Intrinsically safe LED indicator lights** , Model 8013/32 per drawing No. 80 136 01 31 3.

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