

# QUZW.E81680 - PROCESS CONTROL EQUIPMENT FOR USE IN HAZARDOUS LOCATIONS

## Process Control Equipment for Use in Hazardous Locations

See General Information for Process Control Equipment for Use in Hazardous Locations

### R. STAHL SCHALTGERAETE GMBH

E81680

Am Bahnhof 30  
74638 Waldenburg, GERMANY

**Associated apparatus, Class I, Div. 2, Groups A, B, C and D, providing intrinsically safe circuits for use in Class I, Groups C and D; Class II, Groups E, F and G; Class III hazardous locations, installed according to Drawing 9000-3UL, 9000-4UL, Model(s) Shunt diode barrier combinations**

**Associated apparatus, Class I, Div. 2, Groups A, B, C and D, shunt diode barriers, Model(s) 9001/a-280-280-101, 9001/b-308-230-101, 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. 90 016 11 31 3. (a)**

**Associated apparatus, Class I, Div. 2, Groups A, B, C and D, shunt diode barriers, Type 9001, Model(s) 9001/51-280-091-141, 9001/a-168-100-101, 9001/b-061-020-101, 9001/b-196-010-101, 9001/51-280-110-141, 9001/a-199-010-101, 9001/b-061-050-101, 9001/b-196-020-101, 9001/a-050-050-101, 9001/a-199-020-101, 9001/b-061-150-101, 9001/b-196-030-101, 9001/a-050-100-101, 9001/a-199-038-101, 9001/b-093-003-101, 9001/b-196-050-101, 9001/a-050-150-101, 9001/a-199-050-101, 9001/b-093-020-101, 9001/b-196-075-101, 9001/a-083-442-101, 9001/a-199-070-101, 9001/b-093-030-101, 9001/b-196-100-101, 9001/a-086-010-101, 9001/a-199-100-101, 9001/b-093-050-101, 9001/b-196-120-101, 9001/a-086-020-101, 9001/a-199-150-101, 9001/b-093-075-101, 9001/b-196-125-101, 9001/a-086-050-101, 9001/a-199-270-101, 9001/b-093-100-101, 9001/b-196-150-101, 9001/a-086-075-101, 9001/a-252-057-141, 9001/b-093-120-101, 9001/b-224-020-101, 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. 90 016 11 31 3 or 90 026 11 31 3. (a)**

**Associated apparatus, Class I, Div. 2, Groups A, B, C and D, shunt diode barriers, Type 9001, Model(s) 9001/a-086-075-101, 9001/a-252-060-141, 9001/b-093-150-101, 9001/b-224-050-101, 9001/a-086-100-101, 9001/a-252-070-101, 9001/b-093-250-101, 9001/b-224-075-101, 9001/a-086-150-101, 9001/a-252-100-141, 9001/b-093-270-101, 9001/b-224-100-101, 9001/a-086-270-101, 9001/a-280-020-101, 9001/b-093-390-101, 9001/b-224-120-101, 9001/a-086-390-101, 9001/a-280-050-101, 9001/b-133-003-101, 9001/b-224-150-101, 9001/a-126-020-101, 9001/a-280-075-101, 9001/b-133-020-101, 9001/b-280-015-101, 9001/a-126-050-101, 9001/a-280-085-101, 9001/b-133-050-101, 9001/b-280-020-101, 9001/a-126-075-101, 9001/a-280-100-101, 9001/b-133-075-101, 9001/b-280-050-101, 9001/a-126-100-101, 9001/a-280-110-101, 9001/b-133-100-101, 9001/b-280-075-101, 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. 90 016 11 31 3 or 90 026 11 31 3. (a)**

**Associated apparatus, Class I, Div. 2, Groups A, B, C and D, shunt diode barriers, Type 9001, Model(s) 9001/a-126-140-101, 9001/a-315-020-101, 9001/b-133-120-101, 9001/b-280-090-101, 9001/a-126-150-101, 9001/a-315-050-101, 9001/b-133-150-101, 9001/b-280-120-101, 9001/a-137-065-101, 9001/a-315-070-101, 9001/b-172-270-101, 9001/b-307-075-101, 9001/a-158-005-101, 9001/a-398-020-101, 9001/b-172-390-101, 9001/b-412-040-101, 9001/a-158-150-101, 9001/a-398-050-101, 9001/b-175-020-101, 9001/c-086-000-101, 9001/a-158-270-101, 9001/b-016-015-101, 9001/b-175-050-101, 9001/c-168-000-101, 9001/a-158-390-101, 9001/b-016-050-101, 9001/b-175-075-101, 9001/c-199-000-101, 9001/a-168-007-101, 9001/b-016-050-111, 9001/b-175-100-101, 9001/c-280-000-101, 9001/a-168-020-101, 9001/b-016-150-101, 9001/b-175-120-101, 9001/a-168-050-101, 9001/b-016-150-111, 9001/b-175-150-101, 9001/a-168-075-101, 9001/b-016-320-101, 9001/b-175-200-101, 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. 90 016 11 31 3 or 90 026 11 31 3. (a)**

**Associated apparatus, Class I, Div. 2, Groups A, B, C and D, shunt diode barriers, Type 9001, Model(s) 9001/a-199-390-101, 9001/a-280-165-101, 9001/b-217-270-101, 9001/b-217-390-101, 9001/b-307-130-101, 9001/b-412-065-101, 9001/b-412-095-101, 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. 90 016 11 31 3 or 90 026 11 31 3. (a)**

**Associated apparatus, Class I, Div. 2, Groups A, B, C and D, shunt diode barriers, Type 9002, Model(s) 9002/00-120-024-001, 9002/11-199-030-001, 9002/13-280-100-041, 9002/33-280-000-001, 9002/00-260-138-001, 9002/11-260-138-001, 9002/13-280-110-001, 9002/34-280-000-001, 9002/10-187-020-001, 9002/11-280-112-001, 9002/22-016-383-111, 9002/77-093-040-001, 9002/10-187-270-001, 9002/11-280-293-001, 9002/22-032-300-111, 9002/77-093-300-001, 9002/10-210-030-001, 9002/11-280-293-021, 9002/22-048-442-111, 9002/77-100-400-001, 9002/11-120-024-001, 9002/13-199-225-001, 9002/22-158-200-001, 9002/77-150-300-001, 9002/11-130-360-001, 9002/13-252-121-041, 9002/22-240-024-001, 9002/77-220-146-001, 9002/11-137-029-001, 9002/13-280-093-001, 9002/22-240-160-001, 9002/77-280-094-001, 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. 90 016 11 31 3 or 90 026 11 31 3.**

**Associated apparatus, Class I, Div. 2, Groups A, B, C and D, shunt diode barriers, Type 9002**, Model(s) 9002/00-280-186-001, 9002/77-220-296-001, 9002/11-280-186-001, 9002/11-280-244-001, 9002/13-280-188-001, 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. 90 016 11 31 3 or 90 026 11 31 3.

**Associated Apparatus, non-hazardous locations or Class I, Division 2, Groups A, B C and D, open type interface modules**, Model(s) 9260/13-11-10k, 9260/13-11-10s, 9260/19-11-10k, 9260/19-11-10s, 9260/23-11-10k, 9260/23-11-10s, 9270/11-16-14k, 9270/11-16-14s, 9270/11-17-15k, 9270/11-17-15s, 9270/11-19-15k, 9270/11-19-15s, 9270/21-14-14k, 9270/21-14-14s, 9270/21-17-14k, 9270/21-17-14s, 9275/10-21-25-11k, 9275/10-21-25-11s, 9275/10-24-48-11k, 9275/10-24-48-11s, 9276/10-21-25-00k, 9276/10-21-25-00s, 9276/10-21-40-00k, 9276/10-21-40-00s, 9276/10-21-60-11k, 9276/10-21-60-11s, 9276/10-24-48-00k, 9276/10-24-48-00s

**Associated Apparatus, non-hazardous locations or Class I, Division 2, Groups A, B C and D, open type interface modules, for use in Class I, Division 2 Groups A, B, C and D**, Model(s) 9199/20-04

**Associated apparatus, nonhazardous locations, digital outputs**, Model(s) 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.

**Associated apparatus, nonhazardous locations, digital outputs loop powered**, Model(s) 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.

**Associated apparatus, nonhazardous locations, I.S. relay modules**, Model(s) 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.

**Associated apparatus, nonhazardous locations, isolating repeater HART inputs**, Model(s) 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.

**Associated apparatus, nonhazardous locations, isolating repeaters**, Model(s) 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.

**Associated apparatus, nonhazardous locations, isolating repeaters loop powered**, Model(s) 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.

**Associated apparatus, nonhazardous locations, switching repeaters**, Model(s) 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.

**Associated apparatus, nonhazardous locations, temperature transmitters**, Model(s) 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, nonhazardous locations, transmitter supply units**, Model(s) 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.

**Class I, Division 1, Groups A, B, C and D, intrinsically safe LED indicator lights, when installed in accordance with control drawing No. 80 136 01 31 3**, Model(s) 8013/32

**Class I, Division 1, Groups A, B, C and D, pilot lights, per drawing No. 80 186 01 31 3**, Model(s) 8018/32, followed by 1, 2, or 3; followed by 3, followed by additional suffixes.

**Unclassified Associated apparatus, "Switching Repeater"**, Model(s) 9170, followed by /1 or /2, followed by 1, followed by -1, followed by 0, 1, 2, or 3, followed by -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 03 31 3.

(a) - Where a = 00 (negative polarity) or 01 (positive polarity), b = 02 (nonpolarized, AC), c = 03 (Diode return type, positive polarity) or 04 (Diode return type, negative polarity).

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