The Digital Output Type 9175 is an associated apparatus as well as a nonincendive apparatus for installation in non-hazardous or Class I; Division 2 or Zone 2 Hazardous (Classified) Locations and provides intrinsically safe connections for one (or two) field devices located in Class I, II, III, Division 1, Group A-G or Zone 0 [AEx ia] Group IIC, hazardous locations according to NEC Article 504/505 as listed below.

Entity parameters for wiring configurations are as follows:

| Type 9175/"0-12-1" | Digital Output Type 9175/*a0-1d-1f | a = numeral 1 or 2 for number of channels
|---------------------|-----------------------------------|----------------------------------|
|                      | d = numeral 2, 4 or 6 for characterising the output
|                     | f = numeral 0, 1 or 2 for characterising the line fault options

Notes:
1. For Connections refer to chapter Commissioning of Operation Instruction ID-No. 91 756 11 31 0.
2. Intrinsically safe apparatus may be switches, thermocouples, LEDs, RTDs or an FM Approved System or Entity device connected in accordance with the manufacturer’s installation instructions.
3. For Entity concept use the appropriate parameters to ensure the following:
   \[ V_i \text{ or } V_{OC} \leq V_{max} \]
   \[ C_i, C_o \geq \frac{A_o}{G_o} \text{ or } C_{loads} \]
   \[ P_o \leq P_i \]
   \[ I_o, I_i \leq \frac{L_o, L_i}{R_o} \text{ or } L_{loads} \]
4. Electrical apparatus connected to an intrinsically safe system should not use or generate voltages > 250 V (U_{max}).
5. Installation should be in accordance with Article 504/505 of the National Electrical Code, ANSI/NFPA 70 and ANSI/ISA RP 12.06.01.
6. Installation in Canada should be in accordance with the Canadian Electrical Code, CSA C22.1, Part 1, Appendix F.
7. Use a general purpose enclosure meeting the requirements of IEC 61010-1 for use in non-hazardous or Class I, Division 2, Hazardous (Classified) Locations.
8. Use an FM Approved Dust-ignition proof enclosure appropriate for environmental protection in Class II, Division 1, Groups E, F and G; and Class III, Hazardous (Classified) Locations.
9. These modules are to be mounted on DIN rail, DIN rail with pac device terminals.
10. Ambient temperature:
   - 20°C … +60°C (any mounting position)
   - 20°C … +70°C (vertical mounting on horizontal DIN rail)

WARNING: Do not disconnect equipment when a flammable or combustible atmosphere is present.

AVERTISSEMENT: Ne pas débrancher l’équipement en présence d’atmosphère inflammable ou combustible.

The safety relevant statements of this document may be transferred into the operating instructions.

Transferring the text, editorial changes of equivalent meaning are allowed.

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Digital Output
Type 9175/"0-1*-1*"

91 756 01 31 1