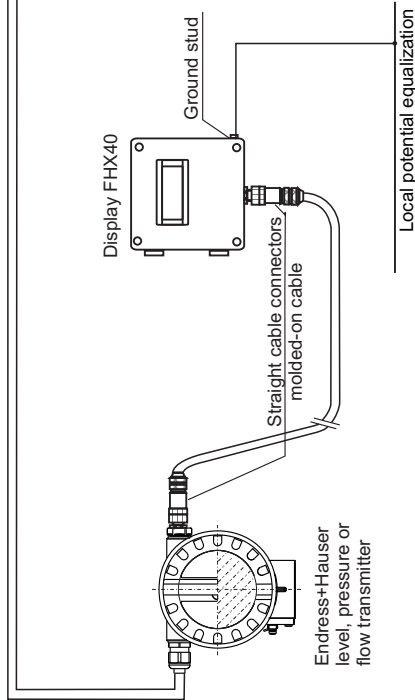


HAZARDOUS LOCATION

Class I, Zone 0 or 1, Group IIC; T*
 Class I, Division 1, Groups A, B, C, D; T*
 Class I, Zone 2, Group IIC; T*
 Class I, Division 2, Groups A, B, C, D; T*

T* (see table)
 Type 4X, IP66

Display FHX40 connected to Endress+Hauser level, pressure or flow transmitter with an intrinsically safe display output circuit



CSA certified associated intrinsically safe apparatus

NON HAZARDOUS LOCATION

Display FHX40 for connection to CSA certified Endress+Hauser instruments with an intrinsically safe (IS) display output circuit

Notes: INTRINSICALLY SAFE CLASS I, DIV. 1, GROUPS A, B, C, D or Ex ia IIC HAZARDOUS LOCATION INSTALLATION

- Control room equipment may not use or generate over 250 Vrms.
- Install per the Canadian Electrical Code.
- Warning: Substitution of components may impair intrinsic safety.
 Avertissement : La substitution de composants peut compromettre la sécurité intrinsèque.
- Ex ia IS defined as intrinsically safe / sécurité intrinsèque.
- Display FHX40 entity parameters with 30 m cable are:
 $U_i / V_{max} = 5.6 \text{ V}$
 $I_i / I_{max} = 47 \text{ mA}$
 $P_i = 66 \text{ mW}$ (Zone 0 or Zone 1 only)
 $C_i = 11 \text{ } \mu\text{F}$
 $L_i = 30 \text{ } \mu\text{H}$
 Display with cable can be connected to CSA certified Endress+Hauser apparatus with linear intrinsically safe display output circuits [1/4 (Voc or Uo) (Isc or Io) < 66 mW] which meet the following requirements:
 V_{oc} or $U_o \leq U_i / V_{max}$
 I_{sc} or $I_o \leq I_i / I_{max}$
 $P_o \leq P_i$ (Zone 0 or Zone 1 only)
 $C_a \geq C_i$
 $L_a \geq L_i$
- Permissible cable length between sensor and display FHX40 is 40 m.
- Applicable control drawings for the CSA certified Endress+Hauser transmitter and the associated intrinsically safe apparatus must also be followed when installing this equipment.

Area of application:
 The Display FHX40 is suitable for areas subject to explosion caused by gases.
 Permissible ambient temperature: -40 °C to +75 °C.

Temperature class	Temperature class for FHX40
T _{ambient}	Temperature class for FHX40
+60 °C	T6
+75 °C	T5

CLASS I, DIV. 2, GROUPS A, B, C, D or Ex nC IIC HAZARDOUS LOCATION INSTALLATION

- Warning: Explosion hazard - Substitution of components may impair suitability for use in Class I, Division 2 or Zone 2.
 Avertissement : Risque d'explosion - La substitution de composants peut rendre ce matériel inacceptable pour les emplacements de Classe I, Division 2 ou Zone 2.
- Display FHX40 with 30 m cable is non-incendive with non-incendive field circuits when connected to CSA certified Endress+Hauser apparatus which has been certified with the VU331 display or with a non-incendive output to the FHX40 display.
- Applicable control drawing for Division 2 or Zone 2 installation of the CSA certified Endress+Hauser transmitter must also be followed when installing this equipment.

