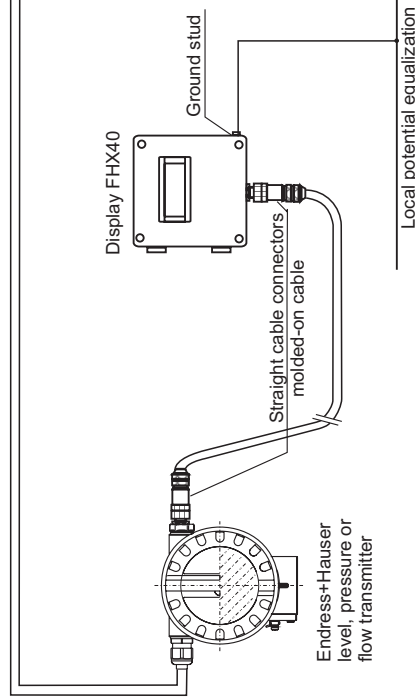


HAZARDOUS LOCATION

Class I, Div. 1, Groups A, B, C, D
 Class I, Zone 0 or Zone 1, IIC
 Class I, Div. 2, Groups A, B, C, D
 Class I, Zone 2, IIC

T* (see table)
 Type 4X, IP65

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



Area of application:

The display FHX40 is suitable for areas subject to explosion caused by gases.
 Permissible ambient temperature: -40°C to $+75^{\circ}\text{C}$.

Temperature class

T_{ambient}	Temperature class for FHX40
$+60^{\circ}\text{C}$	T6
$+75^{\circ}\text{C}$	T5

NON HAZARDOUS LOCATION

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

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

- Control room equipment may not use or generate over 250 Vrms.
- Installation should be in accordance with ANSI/ISA 12.06.01 "Installation of intrinsically safe systems for hazardous (classified) locations" and the National Electrical Code (ANSI/NFPA 70).
- Warning: Substitution of components may impair intrinsic safety.
- Display FHX40 entity parameters with 30 m cable are:
 $V_{\text{max}} = 5.6\text{ V}$
 $I_{\text{max}} = 47\text{ mA}$
 $P_1 = 66\text{ mW}$
 $C_i = 11\text{ }\mu\text{F}$
 $L_i = 30\text{ }\mu\text{H}$
 Display FHX40 with cable can be connected to FM approved Endress+Hauser apparatus with intrinsically safe display output circuits which meet the following requirements:
 V_{oc} or V_t or $U_0 \leq V_{\text{max}}$
 I_{sc} or I_t or $I_0 \leq I_{\text{max}}$
 $P_o \leq P_1$
 $C_a \geq C_i$
 $L_a \geq L_i$
- Permissible cable length between transmitter and display FHX40 is 40 m.
- Applicable installation drawings for the FM approved Endress+Hauser transmitter and the associated intrinsically safe apparatus must also be followed when installing this equipment.

NON-INCENDIVE; CLASS I, DIV. 2, GROUPS A, B, C, D
 or CLASS I, Zone 2, IIC
 HAZARDOUS LOCATION INSTALLATION

- Display FHX40 and cable are non-incendive when connected to FM approved Endress+Hauser apparatus with intrinsically safe or non-incendive display output circuits with output voltage and current not exceeding the following levels:
 V_{oc} or $U_0 \leq 5.6\text{ V}$
 I_{sc} or $I_0 \leq 1\text{ A}$
- Applicable installation drawing for Division 2 or Zone 2 installation of the FM approved Endress+Hauser transmitter must also be followed when installing this equipment.

