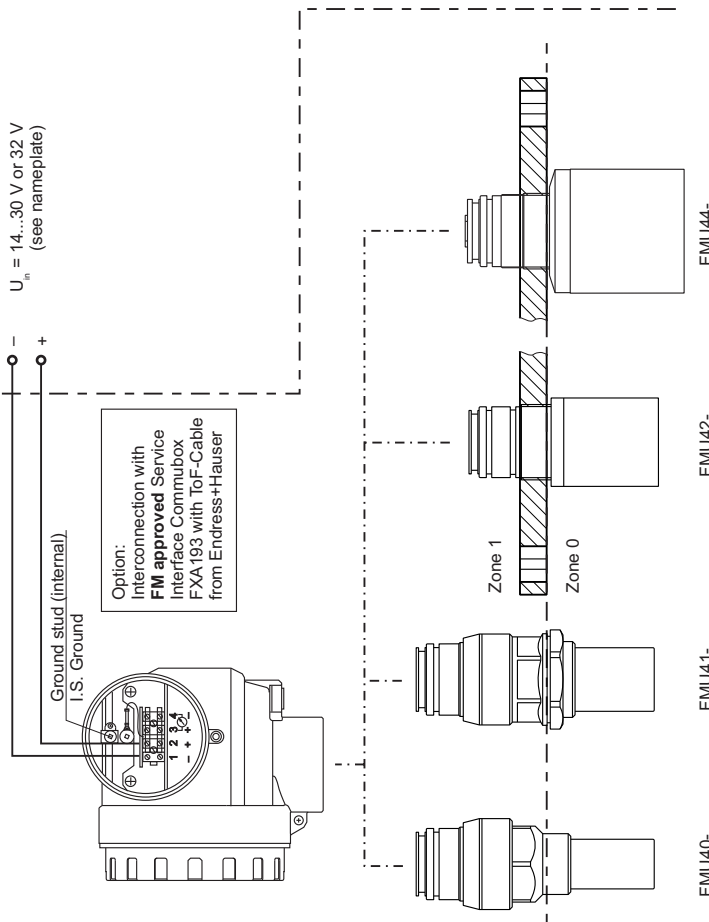


HAZARDOUS LOCATION

Class I, Div. 1, 2, Groups A, B, C, D
 Housing: Class I, Zone 1, IIC
 Sensor: Class I, Zone 0, IIC
 Class II, Div. 1, 2, Groups E, F, G
 Class III

T12 housing:
 XP / I, II, III / 1 / A, B, C, D, E, F, G



NON HAZARDOUS LOCATION

Notes:

Division 1 Installation
 Explosion proof, Class I, Div. 1, Groups A, B, C, D or Zone 1/0 IIC Hazardous Location Installation

- Control room equipment may not use or generate over 250 V_{RMS}.
- Installation should be in accordance with the National Electrical Code NFPA 70 (NEC).
- Supply wires should be installed in accordance with the NEC.
- Terminal compartment:
- Warning: Keep cover tight when circuits are alive unless the area is known to be non-hazardous. Use supply wires suitable for 5K above surrounding ambient.
- For electronics: Maximum ambient temperature = 60 °C.
- Grounding stud shall be connected to a grounding electrode by 12 AWG wire or larger insulated conductors. Resistance between ground stud and grounding electrode shall be less than 1 Ω.
- Contact manufacturer for flamepath joint details when repair is necessary.

Division 2 Installation
 Nonincendive Class I, Div. 2, Groups A, B, C, D Hazardous Location Installation

- Installation shall be in accordance with NEC using threaded conduits or other wiring methods in accordance with Article 500 through Article 510. Intrinsic safety barrier not required.
- Max. supply voltage 30 V or 32 V (see nameplate). For T-code see table.
- Warning: Explosion hazard - Do not disconnect equipment unless power has been switched off or the area is known to be non-hazardous.
- Warning: Explosion hazard - Substitution of components may impair suitability for Class I, Div. 2.

Class II, III Installation
 DIP for Class II and III, Div. 1, Groups E, F, G Hazardous Location Installation

- Installation shall be in accordance with NEC using threaded conduits or other wiring methods in accordance with Article 500 through Article 510.
- Use a dust tight seal at the conduit entry.

Area of application
 The compact instruments are suitable for use in areas subject to explosion caused by gases, vapours or mists.

Permissible ambient temperature:
 T12 enclosure: -40...+60 °C (-40...+140 °F)
 Electronics: (FMU40, FMU41, FMU42, FMU44): -40...+80 °C (-40...+176 °F)
 Sensors: Permissible process / ambient temperature and temperature code:

Temperature code of FMU40/41/42/44	Permissible medium temperature (flange)	Permissible ambient temperature of electronics compartment as a function of medium temperature (sensor)
T6	+60 °C	+60 °C
T5	+80 °C	+60 °C
T4	+80 °C	+60 °C

Endress+Hauser

IP68 TYPE 4X/6P Encl.

Prosonic M
 Order code: FMU4x-TbcdCf
 Ser. no.: 12345678901234

(at 20 °C / 68 °F)
 Cable entry: 1/2 NPT
 2-wire
 Ta > 70 °C (> 158 °F)

Options:
 XP/IS US/XX
 CL I, DIV 1, GP A-D T6...T4
 CL I, III, DIV 1, GP E, G
 NI CL I, DIV 2, GP A, B, C, D T6...T4
 AIS CL I, III, DIV 1, GP A-G
 CL I, ZN 0/1, AEX i/d/ (a) Gal IIC T6...T4 Gal/Gb
 Temperature class per control drawing

960006276
 X = if modification see sep. label
 Patents →

Date:

Field no.	Order code FMU4x-TbcdCf	Contents
3	-	Made in Germany, 79689 Maulburg Assembled in USA
11	c = B, J, P c = D, K, Q	Assembled in India 14...30 V DC, 0.8 W PROFIBUS PA
14	c = F, L, R	FOUNDATION Fieldbus
50	c = B, J, P FMU40, FMU41 FMU42, FMU44	4-20 mA HART P _{abs} = 0.7...3 bar / 10.15...43.5 psi P _{abs} = 0.7...2.5 bar / 10.15...36.25 psi

Example nameplate:

XA01144F-E/00/EN/02.19
 CCS/FM10
 FM/E 10.06.19



FM Control Drawing
960006276 E

Prosonic M
 FMU40, FMU41, FMU42, FMU44
 HART, PROFIBUS PA, FOUNDATION Fieldbus
 XP / T12