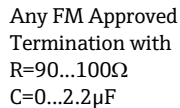


Class I / Division 1, 2 / Groups ABCD  
Class I / Zone 0 / IIC  
Class II / Division 1, 2 / Groups EFG  
Class III



- FM Approved Apparatus must be installed in accordance with manufacturer instructions.
- Install per National Electrical Code (NFPA 70)
- Use supply wires suitable for 5°C above surroundings.
- Warning: Substitution of components may impair intrinsic safety or suitability for Class I, Division 2.

T4	-40°C ... +80°C	T5	-40°C ... +70°C	T6	-40°C ... +55°C
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- A dust tight seal must be used for conduit entries when the field indicator is used in a Class II or Class III location.

- FM approved associated apparatus must meet the following requirements:
- $U_o$  or  $V_o$  or  $V_t \leq U_i$  ( $V_{max}$ ) and  $I_o$  or  $I_{sc}$  or  $I_t \leq I_i$  ( $I_{max}$ ) and  $P_o$  or  $P_{max} \leq P_i$  ( $P_{max}$ )
- The maximum non-hazardous area voltage must not exceed 250 V.
- The Installation should be in accordance with the National Electrical Code (ANSI/NFPA 70) and ANSI/ISA RP 12.6.01 (except chapter 5)
- Be aware of multiple earthing of screen. The screen must be connected in accordance with National Electrical Code.
- The polarity for connecting + and - is of no importance due to an internal rectifier.

Approved	Date (yyyy-mm-dd)	Drawing No.
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The number of passive devices connected to the bus segment is not limited due to I.S. reasons. If the above rules are respected, up to a total length of 1000 m (sum of the length of trunk cable and all spur cables), the inductance and capacitance of the cable will not impair the intrinsic safety of the installation.

- The field indicator is suitable to be installed according the FNICO concept.

	Approved Pfanzelt	Date (yyyy-mm-dd) 2009-07-06	Drawing No. 12 06 00 111	Dwg.rev.	Revision no.	Revision date (yyyy-mm-dd)	Name	Material 71540274 XA02304R/09/EN/01.20	Endress+Hauser 
Volume (mm³)	Designed Pfanzelt	Date (yyyy-mm-dd) 2009-07-05	Unit RID16	Scale 1:1	Title CONTROL DRAWING FM IS/NI/DIP			Series	
Refer to protection notice ISO 16016	Edge of working parts ISO 13715	Geometrical tolerancing ISO 2768-mH-E	Part No. -	Format A4				Objekt version	
Endress + Hauser Wetter GmbH+Co. KG Nesselwang / Germany									