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# Inductive Sensor-Cable Connection System Memosens

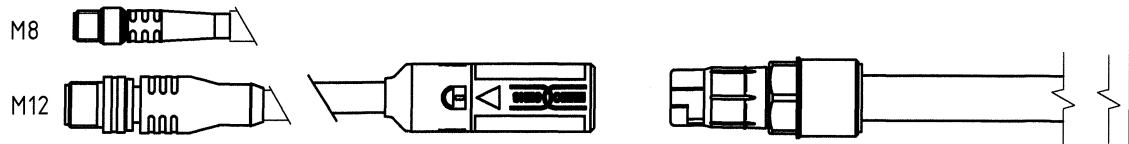
## Hazardous Locations

IS for Class I, Division 1, Groups A, B, C and D; Class I, Zone 0, AEx ia IIC (US)  
 IS for Class I, Division 1, Groups A, B, C and D; Class I, Zone 0, Ex ia IIC (CA)  
 NIFW for Class I, Division 2, Groups A, B, C and D; Class I, Zone 2, IIC.

## Installation Notes for hazardous Locations Class I, Zone 0, 1, 2, Div 1, 2

Installation shall be in accordance with the National or Canadian Electrical Code as applicable.

## Consisting of: Measuring Cable and Sensor



### Ferrules



max length: CA/MS-\*\*\*X\*\* : 330 ft./100 m, CA/MS-\*\*\*X\*\*-L : 9.5 ft./2.9 m

## Electrical parameters:

The Memosens Sensors must be used with a Memosens Cable CA/MS-\*\*\*X\*\*, CA/MS-\*\*\*X\*\*-L or an approved Cable type identical in hardware and function.

The Memosens Cable can be connected to a Transmitter with an intrinsically safe output with

$$V_0 \leq V_{0max}, I_0 \leq I_{0max}, P_0 \leq P_{0max}, C_i \leq C_{imax}, L_i \leq L_{imax}$$

like the approved Knick Memosens Transmitters for hazardous Locations from the Protos, Stratos or Portavo series.

Transmitter entity parameters shall not exceed (linear output characteristic):

V0max	I0max	P0max	Cimax	Limax
5.1 V	130 mA	166 mW	15 µF	95 µH

Transmitter entity parameters shall not exceed (trapezoid output characteristic):

V0max	I0max	P0max	Cimax	Limax
5.04 V	80 mA	112 mW	14.1 µF	237.2 µH

Verteiler:  
KB (1x)

Zul. Abweichungen  
für Maße ohne  
Toleranzangabe

Maßstab

Control Drawing

Benennung

Inductive Sensor-Cable  
Connection System Memosens

Zeichnungsnummer

214.410-240

Blatt

1

2 Bl.

Nr.	Änderungen	Datum	Bearb.	FGL KON
2	Ambiente Temp.	04.07.18	dam	
1	C/US Texte	05.04.18	dam	

**Knick** >

Elektronische Messgeräte GmbH & Co. KG

