

Type HE100.03.xx.xx.xx.xxx
 Type HE102.03.xx.xx.xx.xxx
 Type HE103.03.xx.xx.xx.xxx

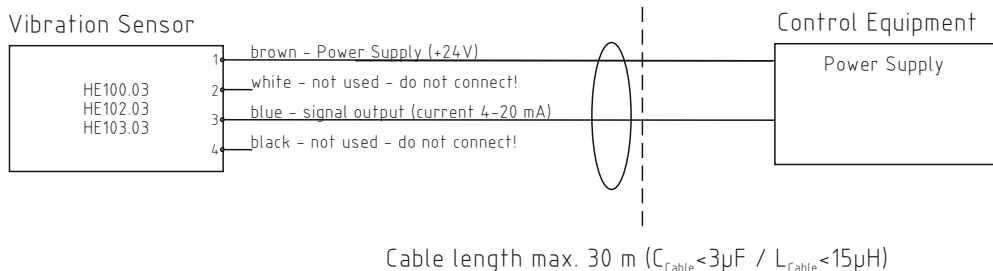
Process Control Equipment for use in hazardous locations (classified)
 E516625

Class I, Division 2, Groups A, B, C and D, T4
 Class II, Division 2 Groups F and G, T4

Nonincendive field wiring apparatus | Associated nonincendive field wiring apparatus

$$\begin{aligned} V_{\max} &\geq V_{oc} \\ I_{\max} &\geq I_{sc} \\ P_{\max} &\geq P_o \\ C_i + C_{\text{Cable}} &\leq C_a \\ L_i + L_{\text{Cable}} &\leq L_a \end{aligned}$$

C_a / L_a includes capacitance / inductance of cables from Power Supply to Vibration Sensor and the internal capacitance C_i / internal inductance L_i of the Vibration Sensor $C_a \geq C_i + C_{\text{Cable}}$; $L_a \geq L_i + L_{\text{Cable}}$



HAZARDOUS LOCATION

NON-HAZARDOUS LOCATION
 (unclassified)

Notes on the sensor

	T e r m i n a l s		
	F u n c t i o n	P i n s	
1.	Power Supply	1	$V_{\max} = 28.1\text{V DC}$, $I_{\max} = 25\text{mA}$ $C_i = 267,56\text{nF}$, $L_i = 250\mu\text{H}$
2.	Signal Output	3	current 4...20 mA, $I_{\max} = 25\text{ mA}$
3.	not used/ do not connect!	2 and 4	

Notes on the Control Equipment

1.	Output of the power supply (24V DC) must not exceed 28.1 V DC $V_{oc} \leq 28.1\text{ V DC}$, $I_{sc} = 25\text{ mA}$ $C_A \leq 3,3\text{ }\mu\text{F}$ $L_A \leq 265\text{ }\mu\text{H}$
2.	Output of the power supply must be limited to 25 mA

The Installation must be installed in accordance with NEC NFPA70 Article 504 or other local codes as applicable

3.2	Installation hint on the bottom changed	11.02.2022	<div> <div> <div>HAUBER</div> <div>ELEKTRONIK</div> </div> <div> <div>HAUBER-Elektronik GmbH</div> <div>Fabrikstr. 6, 72622 Nürtingen</div> </div> </div>	name Control Drawing HE100	
3.1	Review Findings Adressed	04.02.2022		drawing number M003-HE100	index 3.2
3.0	Findings of first review addressed	31.01.2022		page 1 of 1	
2.0	Changed Vmax to 28.1 V	03.12.2021			
1.0	Initial Version	26.10.2021			
Rev	Change	Date			

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Type HE101.03.xx.xx.xx.xxx

Process Control Equipment for use in hazardous locations (classified)
E516625

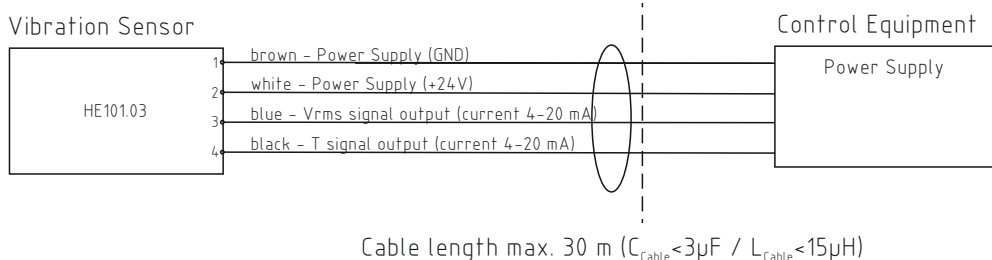
Class I, Division 2, Groups A, B, C and D, T4

Class II, Division 2 Groups F and G, T4

Nonincendive field wiring apparatus | Associated nonincendive field wiring apparatus

$$\begin{aligned} V_{max} &\geq V_{oc} \\ I_{max} &\geq I_{sc} \\ P_{max} &\geq P_o \\ C_i + C_{Cable} &\leq C_a \\ L_i + L_{Cable} &\leq L_a \end{aligned}$$

C_a / L_a includes capacitance / inductance of cables from Power Supply to Vibration Sensor and the internal capacitance C_i / internal inductance L_i of the Vibration Sensor $C_a \geq C_i + C_{Cable}$; $L_a \geq L_i + L_{Cable}$



HAZARDOUS LOCATION

NON-HAZARDOUS LOCATION
(unclassified)

Notes on the sensor

	T e r m i n a l s		
	F u n c t i o n	P i n s	
1.	Power Supply	1 and 2	$V_{MAX}=28.1\text{ V DC}$, $I_{MAX}=50\text{ mA}$ $C_i=267,56\text{ nF}$, $L_i=250\mu\text{H}$
2.	Signal Output Vrms	3	current 4...20 mA, $I_{MAX}=25\text{ mA}$
3.	Signal Output Temperature	4	current 4...20 mA, $I_{MAX}=25\text{ mA}$

Notes on the Control Equipment

1.	Output of the power supply (24V DC) must not exceed 28.1 V DC $V_{OC} \leq 28.1\text{ V DC}$, $I_{sc}=50\text{ mA}$ $C_A \leq 3,3\text{ }\mu\text{F}$ $L_A \leq 265\text{ }\mu\text{H}$
2.	Output of the power supply must be limited to 25 mA

Associated nonincendive field wiring apparatus must be installed in accordance with NEC (ANSI/NFPA70) Article 501/502/505 and CEC section 18.

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3.2.	Installation Hint on the bottom changed, CI, Li	11.02.2022	 HAUBER-Elektronik GmbH Fabrikstr. 6, 72622 Nürtingen	name Control Drawing HE101
3.1	Review findings adress	04.02.2022		drawing number M003-HE101
2.0	Changed Vmax to 28.1 V	03.12.2021		index 3.2
1.0	Initial Version	26.10.2021		page 1 of 1
Rev	Change	Date		