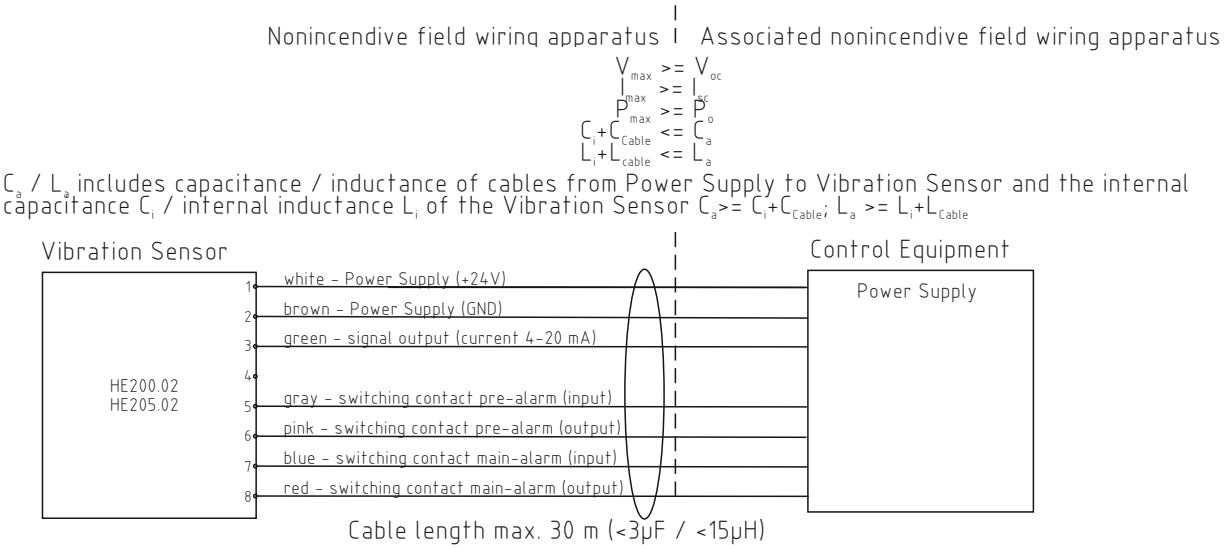
Type HE20x.02.xx.xx.xx.00.xxx
and HE20x.02.xx.xx.xx.01.xxx

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



HAZARDOUS LOCATION

NON-HAZARDOUS LOCATION
(unclassified)

Notes on the sensor

	Terminals		Linear input and output characteristics
	Function	Pins	
1.	Power Supply	1 and 2	V_{Max}=26,4V DC, I_{Max}=100mA L_i=2µH, C_i=202nF
2.	Signal Output	3	current 0/4...20 mA, I_{Max}= 22 mA, C_i = 120 nF, L_i = 0 µH
3.	not used/ do not connect!	4	
4.	Relay Output	5 and 6	V_{Max}=30 V DC, IMax = 150 mA L_i = 7 µH / C_i = 2 nF
5.	Relay Output	7 and 8	V_{Max}=30 V DC, IMax = 150 mA L_i = 7 µH / C_i = 2 nF
6.	Relay Output = potential free switching contact		

Notes on the Control Equipment

1.	Output of the power supply (24 V DC) must not exceed V_{Max}<=26,4 V DC, I_{sc} <= 100 mA, C_a=205 nF, L_a=18µH
2.	Current to the relay outputs on the sensor must be limited to I_{oc}<=150 mA, V_{Max}= 30V D_c L_a=22µH, C_a=3.2µF

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

Rev	Change	Date
4.2	Correct Relay Outputs	01.03.2022
4.0	Correct Relay Outputs	21.02.2022
3.2.	Installation Hint	11.02.2022
...	...	...
1.0	Initial Version	15.06.2021

HAUBER ELEKTRONIK
HAUBER-Elektronik GmbH
Fabrikstr. 6, 72622 Nürtingen

name: Control Drawing HE20x
drawing number: M003-H20x
index: 4.2
page: 1 of 1

Type HE25x.02.xx.xx.xx.00.xxx and HE25x.02.xx.xx.xx.01.xxx

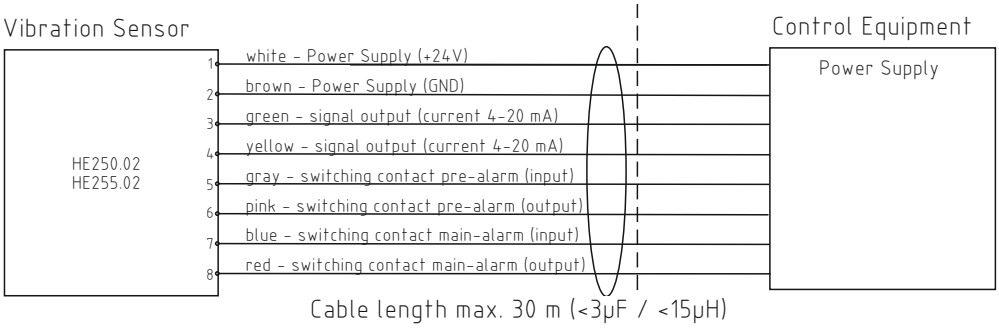
Process Control Equipment for use in hazardous locations (classified)

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

$V_{max} >= V_{oc}$
$I_{max} >= I_{sc}$
$P_{max} >= P_o$
$C_i+C_{Cable} <= C_a$
$L_i+L_{cable} <= L_a$

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 $C_a >= C_i+C_{Cable}$; $L_a >= L_i+L_{Cable}$



HAZARDOUS LOCATION

NON-HAZARDOUS LOCATION (unclassified)

Notes on the sensor

	Terminals		Linear input and output characteristics
	Function	Pins	
1.	Power Supply	1 and 2	V_{Max}=26,4V DC, I_{Max}=100mA L_i=2µH, C_i=202nF
2.	Signal Output	3	current 0/4...20 mA, I_{Max}= 22 mA, C_i = 120 nF, L_i = 0 µH
3.	Signal Output	4	current 0/4...20 mA, I_{Max}= 22 mA, C_i = 120 nF, L_i = 0 µH
4.	Relay Output	5 and 6	V_{Max}=30 V DC, IMax = 150 mA L_i = 7 µH / C_i = 2 nF
5.	Relay Output	7 and 8	V_{Max}=30 V DC, IMax = 150 mA L_i = 7 µH / C_i = 2 nF
6.	Relay Output = potential free switching contact		

Notes on the Control Equipment

1.	Output of the power supply (24 V DC) must not exceed V_{Max}<=26,4 V DC, I_{sc} <= 100 mA, C_a=205 nF, L_a=18µH
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Rev	Change	Date
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name: Control Drawing HE25x
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