



- "i" version of Zone 1 and Class I, Div. 2 EOL resistor for FISCO/ Entity fieldbuses and "m" version for non-intrinsically safe fieldbuses (High Power Trunk)
- Extremely compact design for installation in M20 line entrances
- For use directly in enclosures or field devices

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WebCode **9418A**



9418 series fieldbus terminators perform the role of end-of-line resistors for PROFIBUS PA or FOUNDATION™ Fieldbus H1 fieldbuses. Ex i and Ex m versions are available for intrinsically safe FISCO/ Entity and non-intrinsically safe (High Power Trunk) fieldbuses. The extremely compact design saves space when installing the terminators in M20 line entrances. They are easy to spot, even when installed.

	NEC® 500 CEC Appendix J					
	Class I		Class II		Class III	
Division	1	2	1	2	1	2
Ex interface	•	•	•	•	•	•
Installation in	•	•	•	•	•	•

	CEC Section 18					
	NEC® 505 Class I			NEC® 506		
Zone	0	1	2	20	21	22
Ex interface		•	•		•	•
Installation in		•	•		•	•

	IECEX / ATEX					
	Zone	0	1	2	20	21
Ex interface		•	•		•	•
Installation in		•	•		•	•

Selection Table				
Product Description	ISbus fieldbus technology Fieldbus terminator Ex m For Zone 1			
Version	Fieldbus	Product Type	Art. No.	Weight lb
Ex m fieldbus terminator	Non-intrinsically safe (Ex e)	9418/01-201-10	168062	0.18

Technical Data	
Variant	Ex m fieldbus terminator
Explosion Protection	
Certificate FMus	3026646
Certificate cFM	3026646C
Marking FMus	NI, Class I, Div. 2, Groups A,B,C,D; T5 at Ta = 75 °C, T6 at Ta = 40 °C; DIP, Class II,III, Div. 2, Groups E,F,G; T5 at Ta = 75 °C, T6 at Ta = 40 °C Class I, Zone 1, AEx mb IIC; T5 at Ta = 75 °C, T6 at Ta = 40 °C; Class II,III, Zone 21, AEx mbD; T100 °C, at Ta = 75 °C, T65 °C at Ta = 40 °C; See Doc. 9410 6 031 001 1
Marking cFM	NI, Class I, Div. 2, Groups A,B,C,D; T5 at Ta = 75 °C, T6 at Ta = 40 °C; DIP, Class II,III, Div. 2, Groups E,F,G; T5 at Ta = 75 °C, T6 at Ta = 40 °C Class I, Zone 1, Ex mb IIC; T5 at Ta = 75 °C, T6 at Ta = 40 °C; Class II,III, Zone 21, Ex mbD; T100 °C, at Ta = 75 °C, T65 °C at Ta = 40 °C; See Doc. 9410 6 031 001 1
IECEX gas explosion protection	Ex mb IIC T6/T5 Gb
IECEX dust explosion protection	Ex tb IIIC T65 °C ... T100 °C Db
Certificates	ATEX (PTB), Brazil (ULB), Canada (FM), EAC (Sertium), IECEX (PTB), USA (FM)
Electrical Data	
End-of-line resistor capacitance	1 µF
Resistance value	100 Ω

Auxiliary Power

Nominal voltage V_{nom} ≤ 32 V

Ambient Conditions

Ambient temperature °F -40°F ... +104°F (T6)
 -40°F ... +167°F (T5)

Ambient temperature °C -40 °C ... +40 °C (T6)
 -40 °C ... +75 °C (T5)

Cable glands must be ordered as accessories. Please contact your local sales office for more details.

Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations

