



- Zone 1 end-of-line resistor in “i” version for FISCO/Entity fieldbuses and “m” version for non-intrinsically safe fieldbuses (high-power trunk)
- Extremely compact design for installation in M20 cable entries
- For direct use in enclosures or field devices

A5

MY R. STAHL 9418A



Series 9418 fieldbus terminators act as 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. Extremely compact design for space-saving installation in M20 cable entries, also easily visible when installed.

	IECEX / ATEX					
Zone	0	1	2	20	21	22
Ex interface		•	•		•	•
Installation in		•	•		•	•



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

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

Selection Table					
Product variant	End-of-line resistor				
Fieldbus	Product Type			Art. No.	Weight
Intrinsically safe (FISCO)	9418/02-201-10			168063	80 g
Non-intrinsically safe (Ex e)	9418/01-201-10			168062	80 g

Technical Data		
Variant	Ex i/l.S fieldbus terminator	Ex m fieldbus terminator
Explosion Protection		
IECEX gas explosion protection	Ex ib IIC T5 / T6 Gb	Ex mb IIC T5 / T6 Gb
IECEX dust explosion protection	Ex ib IIIC T65 °C / T100 °C Db	Ex tb IIIC T65 °C / T100 °C Db
ATEX gas explosion protection	⊕ II 2 G Ex ib IIC T5 / T6 Gb	⊕ II 2 G Ex mb IIC T5 / T6 Gb
ATEX dust explosion protection	⊕ II 2 D Ex ib IIIC T65 °C / T100 °C Db	⊕ II 2 D Ex tb IIIC T65 °C / T100 °C Db
Certificates	ATEX (PTB), Canada (FM), IECEX (PTB), USA (FM)	ATEX (PTB), Canada (FM), IECEX (PTB), USA (FM)
Electrical Data		
EOL resistor capacitance	1 µF	1 µF
Resistance value	100 Ω	100 Ω
Auxiliary Power		
Nominal voltage	≤ 32 V	≤ 32 V
Ambient Conditions		
Ambient temperature	-40 °C ... +75 °C (T5) -40 °C ... +40 °C (T6)	-40 °C ... +75 °C (T5) -40 °C ... +40 °C (T6)
Ambient temperature	-40 °F ... +167 °F (T5) -40 °F ... +104 °F (T6)	-40 °F ... +167 °F (T5) -40 °F ... +104 °F (T6)

Accessories

Figure	Description	Art. No.	Weight
Cable gland made of plastic			
	8161/7-M20-1304, Ex e Plastic, M20 x 1.5, cable outer diameter 4 to 13 mm Lot size 50 pieces	239156	13 g
Plastic cable gland			
	8161/8-M20-1304, Ex i Plastic, M20 x 1.5, cable outer diameter 4 to 13 mm Lot size 50 pieces	239164	13 g

*) Purchase order quantity in [no. of units]; the delivery quantity is automatically rounded to the delivery lot.

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

