



- "i" version of Zone 1 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

A5

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.

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

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



	NEC 500					
	Class I		Class II		Class III	
	1	2	1	2	1	2
Division						
Ex interface	•	•	•	•	•	•
Installation in	•	•	•	•	•	•

Selection Table				
Product variant	Terminator			
Fieldbus	Product Type	Art. No.	Weight kg	
Intrinsically safe (FISCO)	9418/02-201-10	168063	0.080	
Non-intrinsically safe (Ex e)	9418/01-201-10	168062 ▲	0.080	

Technical Data		
Variant	Fieldbus Terminator Ex i / I.S	Fieldbus Terminator Ex m
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
EAC gas explosion protection	Ⓔ 1 Ex ib IIC T6/T5 Gb	Ⓔ 1 Ex mb IIC T6/T5 Gb
EAC dust explosion protection	Ⓔ Ex ib IIC T65 °C/T100 °C Db	Ⓔ Ex tb IIC T65 °C/T100 °C Db
Certificates	ATEX (PTB), Brazil (ULB), Canada (FM), EAC (Sertium), IECEx (PTB), USA (FM)	ATEX (PTB), Brazil (ULB), Canada (FM), EAC (Sertium), IECEx (PTB), USA (FM)
Electrical Data		
End-of-line 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 ... +75 °C (T5)	
	-40 °C ... +40 °C (T6)	-40 °C ... +40 °C (T6)	
Ambient temperature	-40 °F ... +167 °F (T5)	-40 °F ... +167 °F (T5)	
	-40 °F ... +104 °F (T6)	-40 °F ... +104 °F (T6)	

Accessories

Figure	Description	Art. No.	Weight kg
Cable gland			
	8161/7-M20-1304 4 ... 13 mm ² , 50 pieces (delivery lot ^{*)}	239156 ▲	0.013
	8161/8 Ex i (black with blue cap nut) 8161/8-M20-1304 4 ... 13 mm ² 50 pieces (delivery lot ^{*)}	239164 ▲	0.013

^{*)} Purchase order quantity in [pieces], the delivery quantity is automatically rounded to the delivery lot.

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

