



- For connecting four, eight or 12 fieldbus devices in Zone 2 and Class I, Div. 2
- Ex nA or ic spurs
- Operated using High Power Trunk concept
- Reduced start-up current thanks to power management and short-circuit limiting with disconnection

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WebCode **9410A**



9410 series Ex n field device couplers for installation in Zone 2 and Class I, Div. 2 can be used for interference-free connection of up to 12 FOUNDATION Fieldbus H1 or PROFIBUS PA field devices on the High Power Trunk. The spurs with type of protection nA or ic can be used for fieldbus devices in Zones 2 (ic, nA) and 1 (d, q, m) and Class I, Div. 2 and are protected by a short-circuit limiting function. The integrated power management minimizes start-up and short-circuit currents.

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

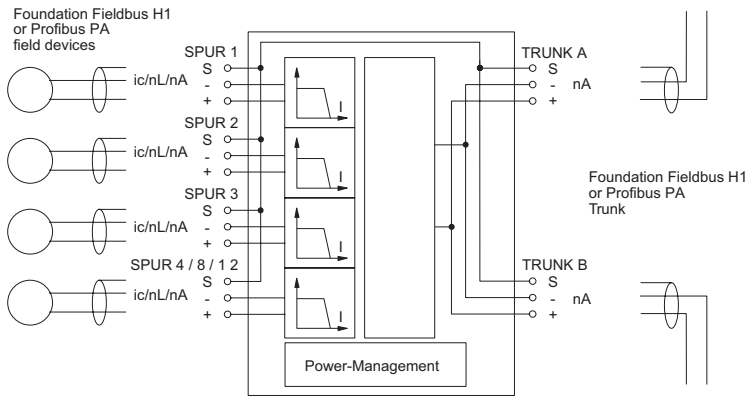
	IECEX / ATEX					
	Zone	0	1	2	20	21
Ex interface			•			
Installation in			•			

Selection Table					
Product Description	ISbus fieldbus technology Field device coupler				
Number of channels	Connection type	Product Type	Art. No.	Weight lb	
12	Screw terminals, pluggable	9410/34-330-60	207906	1.98	
Field enclosures in polyester or stainless steel: Customer specific solutions on request					

Technical Data	
Explosion Protection	
Certificate FMus	3026646
Certificate cFM	3026646C
Marking FMus	NI, Class I, Div. 2, Groups A,B,C,D; AIS, Class I,II,III, Div. 2, Groups A,B,C,D,E,F,G; Class I, Zone 2, AEx nA [ic] IIC; T4 at Ta = 75 °C; See Doc. 9410 6 031 001 1
Marking cFM	NI, Class I, Div. 2, Groups A,B,C,D; AIS, Class I,II,III, Div. 2, Groups A,B,C,D,E,F,G; Class I, Zone 2, Ex nA [ic] IIC; T4 at Ta = 75 °C; See Doc. 9410 6 031 001 1
IECEX gas explosion protection	Ex nA [ic] IIC T4 Gc
Certificates	ATEX (BVS), Brazil (ULB), Canada (FM), EAC (Sertium), IECEX (BVS), International (FF), USA (FM)
Auxiliary Power	
Power dissipation max.	1.2 W
Notes	Auxiliary power is not necessary, the field device coupler will be supplied by the trunk

Technical Data	
Input	
Voltage range Trunk	9 – 32 V
Output	
Output current	0 mA ... 41 mA; per spur
Output voltage	Min. 10 V at 41 mA
Ambient Conditions	
Ambient temperature °F	-40°F ... +167°F
Ambient temperature °C	-40 °C ... +75 °C
Mechanical Data	
Field enclosure	Without, DIN rail mounting
Spurs ic only in connection with an ic-voltage-limited fieldbus power supply (e.g. R. STAHL 9412/01 or 9412/02)	

Technical Drawings – Subject to Alterations



Connection diagram

Accessories

Figure	Description	Product Type	Art. No.	Weight lb
Fieldbus Power Supply				
	For supply of a non-intrinsically safe trunk. Advanced version (Diagnosis and Alarming integrated).	9412/00-320-11k	200589	0.3
Fieldbus Wizard Engineering Tool				
	Engineering tool for segment design of Foundation Fieldbus or Profibus PA fieldbus installations Download under www.fieldbus-solutions.info	-	-	-
Terminator				
	Fieldbus Terminator "Ex m"	9418/01-201-10	168062	0.18

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

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