

- For connecting four fieldbus devices in Zone 1
- Operated using High Power Trunk concept
- Reduced start-up current thanks to power management and short-circuit limiting with disconnection

A5

WebCode 9411B



9411/11 series Ex e field device couplers for Zone 1 can be used for interference-free connection of four FOUNDATION Fieldbus H1 or PROFIBUS PA field devices on the High Power Trunk. The spurs with type of protection e can be used for fieldbus devices in Zone 1 (d, q, m) and are protected by a short-circuit limiting function.

The integrated power management minimises start-up and short-circuit currents.


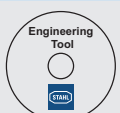
Available with screw terminals or spring clamp terminals.

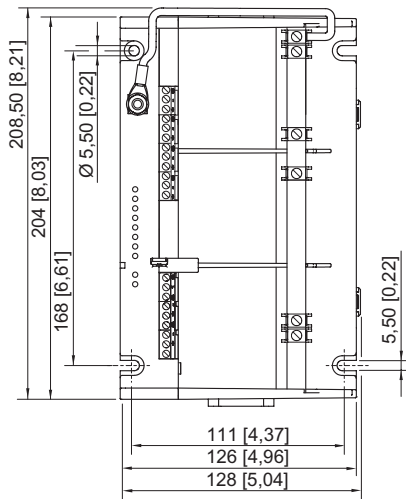
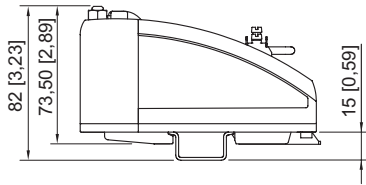
	ATEX / IECEx						NEC 505						NEC 506						NEC 500					
	Class I		Class II		Class III		Class I		Class II		Class III		Class I		Class II		Class III		Class I		Class II		Class III	
Zone	0	1	2	20	21	22	0	1	2	20	21	22	1	2	1	2	1	2	1	2	1	2	1	2
Ex interface		•	•			•		•	•		•	•		•		•		•		•		•		•
Installation in		•	•			•		•	•		•	•		•		•		•		•		•		•

Selection Table					
Product Description	ISbus fieldbus technology Field device coupler				
Number of channels	Connection type	Product Type	Art. No.	Weight kg	
4	Screw terminal	9411/11-210-30	161849	0.920	
Field enclosures in polyester or stainless steel: customer specific solutions on request					

Technical Data	
Explosion Protection	
IECEX gas explosion protection	Ex mb e IIC T4 Gb
ATEX gas explosion protection	Ⓔ II 2 G Ex mb e IIC T4 Gb
EAC gas explosion protection	Ⓔ 1 Ex e mb IIC T4 Gb X
Certificates	ATEX (BVS), Brazil (ULB), Canada (FM), EAC (Sertium), IECEx (BVS), International (FF), USA (FM)
Auxiliary Power	
Power dissipation max.	1.1 W
Notes	Auxiliary power is not necessary, the field device coupler will be supplied by the trunk
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	-40 °C ... +75 °C
Mechanical Data	
Field enclosure	Without, DIN rail mounting
Dimensional Drawings on the Internet <a href="http://r-stahl.com">r-stahl.com</a>	

Accessories			
Figure	Description	Art. No.	Weight kg
<b>Earthing bar set for 4 Spurs</b>			
	Earthing bar 9411 spring terminal strap with 6 terminals	202774 ▲	0.128
<b>Fieldbus Wizard Engineering Tool</b>			
	Engineering tool for segment design of Foundation Fieldbus or Profibus PA fieldbus installations Download under <a href="http://www.fieldbus-solutions.info">www.fieldbus-solutions.info</a>	-	-



Field Device Coupler, 4 Spurs, without enclosure