



- For single or redundant power supply to FOUNDATION Fieldbus H1 segments (High Power Trunk)
- Output > 28 V, up to 1 A, galvanically separated
- Integrated advanced physical layer diagnostics

A5

WebCode 9412A



Single or redundant 9412 series fieldbus power supplies are used to supply an FF H1 High Power Trunk with up to 28 V/500 mA, and up to 1 A in Boost mode. In the background, they measure the advanced physical layer parameters, which can be reported via an Android smartphone, configurable integrated alarms or online via FF H1. 9419 series bus carriers or DIN rails can be used for installation.







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

Selection Table				
Product variant	Fieldbus Power Supply			
Description	Error message	Product Type	Art. No.	Weight kg
Fieldbus power supply and diagnostics	Overload and short circuit	9412/00-310-11s	200586	0.135
Fieldbus power supply, diagnostics and adjustable warning level	Overload, short circuit and Physical Layer values: trunk voltage/current, signal level, noise, jitter, unbalance	9412/00-320-11s	200588 ▲	0.135

Technical Data	
Explosion Protection	
IECEx gas explosion protection	Ex nA nC IIC T4 Gc
ATEX gas explosion protection	Ⓔ II 3 G Ex nA nC IIC T4 Gc
EAC gas explosion protection	Ⓔ 2 Ex nA nC IIC T4 Gc X
Certificates	ATEX (BVS), Brazil (ULB), Canada (FM), EAC (Sertium), IECEx (BVS), India (PESO), International (FF), USA (FM)
Electrical Data	
Segment supply U _s	≥ 28 V DC
Segment supply U _s note	Other voltage variant for ic-FISCO and entity on request
Segment supply I _s	500 mA
Segment supply I _s note	Up to 1 A in boost mode
Fieldbus specification	IEC 61158-2, FOUNDATION™ fieldbus H1 FF-831
Auxiliary Power	
Nominal voltage	24 V DC
Max. power consumption	2.8 W
Power dissipation max.	2.75 W
Max. power dissipation note	at 500 mA output current and 24 V auxiliary power

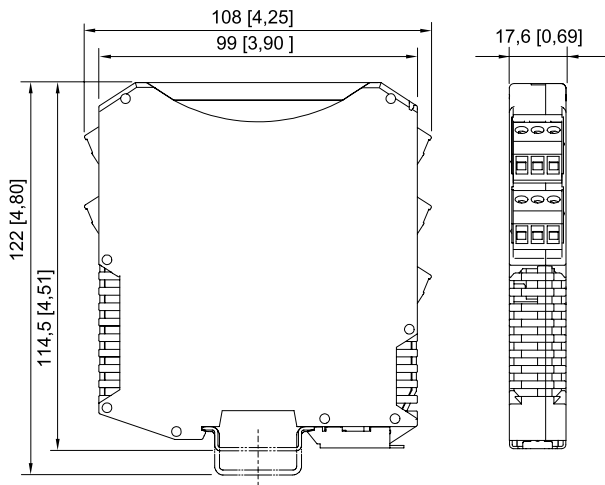
Output	
Error messaging device	Relay contact (30 V DC/100 mA),
Ambient Conditions	
Ambient temperature	-20 °C ... +70 °C

Accessories

Figure	Description	Art. No.	Weight kg
Yokogawa bus-Carrier			
	Yokogawa bus-Carrier for 4 segments, redundant	221455	0.600
	Yokogawa bus-Carrier for 8 segments, simplex	221454	0.600
	Yokogawa bus-Carrier for 8 segments, redundant	221456 ▲	1.200
bus-Carrier			
	bus-Carrier for 4 segments, redundant	208746	0.600
	bus-Carrier for 8 segments, simplex	208745	0.600
	bus-Carrier for 8 segments, redundant	208747 ▲	1.200
bus-Carrier for Linking Device			
	bus-Carrier for Linking Device for 4 segments, simplex	250240	0.712
	bus-Carrier for Linking Device for 4 segments, redundant	250241 ▲	0.980
	bus-Carrier for Linking Device for 8 segments, simplex	250242	1.010

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

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ISpac Series 9146, 9147, 9160, 9162, 9163, 9165,
9167, 9170, 9172, 9175, 9176, 9180, 9182, 9193 with
screw terminal