



- Physical layer diagnostics for up to eight FOUNDATION™ fieldbus H1 segments transmitted via an H1 network of your choice
- Diagnostics for voltage/current, jitter, noise, signal level, imbalance
- DTM and EDD with numerous alarm setting options, access to maintenance information, detailed reporting

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WebCode 9415A



The 9415 series diagnostic communication module (DCM) transmits the physical layer diagnostics data that is measured continuously by the 9412 series fieldbus power supplies for up to eight FF H1 segments to hosts or asset management systems. EDD and DTM are also available for integration. The data is logged in accordance with NAMUR NE 123 and processed in accordance with NAMUR NE 107 and FF-912. 9419 series bus carriers can be used for installation.

	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			•			

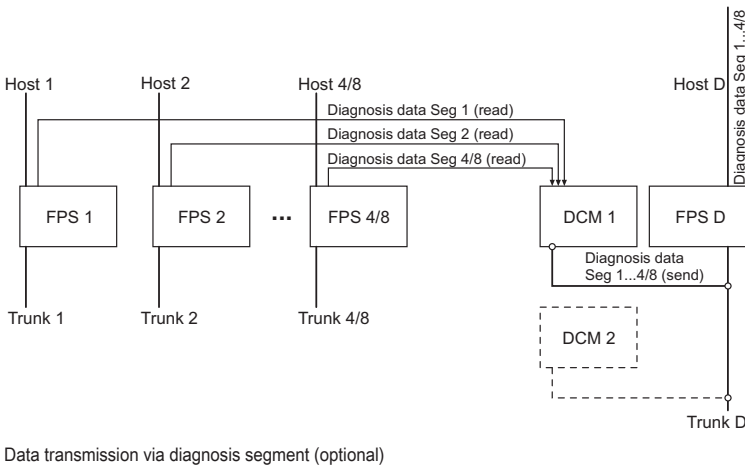
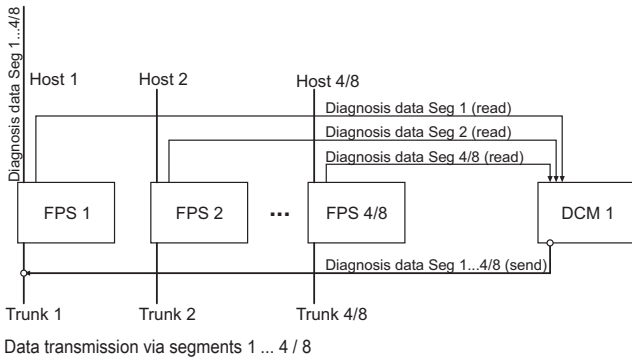
	IECEX / ATEX					
	Zone	0	1	2	20	21
Ex interface			•			
Installation in			•			

Selection Table				
Product Description	ISbus fieldbus technology Diagnostics communication module			
Description	Product Type	Art. No.	Weight lb	
Transmission of diagnostics data for up to 8 segments via FF H1	9415/00-310-42	207903	0.53	
Installation in bus-carriers with 8 (simplex / redundant) or 16 (redundant) slots.				

Technical Data	
Explosion Protection	
Certificate FMus	3026646
Certificate cFM	3026646C
Marking FMus	NI, Class I, Div. 2, Groups A,B,C,D; Class I, Zone 2, AEx nA [ic] IIC, T4; Ta = 70 °C; See Doc. 9415 6 031 001 1; ANI, Class I,II,III, Div. 2, Groups A,B,C,D,E,F,G
Marking cFM	NI, Class I, Div. 2, Groups A,B,C,D; Class I, Zone 2, Ex nA [ic] IIC, T4; Ta = 70 °C; See Doc. 9415 6 031 001 1; ANI, Class I,II,III, Div. 2, Groups A,B,C,D,E,F,G
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	
Auxiliary power	Over bus carrier series 9419
Input	
Physical Layer Diagnostics	via Fieldbus Power Supplies 9412




Technical Data	
Input	
Physical Layer values	acc. to NAMUR NE 123
Physical Layer values fieldbus	Jitter, signal level
Physical Layer values segment	Jitter, signal level, noise, unbalanced loads, voltage, current
Device Specific Data	
Cyclic data transmission	10 DI function blocks for status information / common error per segment
Acyclic data transmission	9 Transducer blocks for detailed information: physical layer values, HI-alarm, HIHI-alarm, LO-alarm, LOLO-alarm, status DCM, status segment, status fieldbus devices
Ambient Conditions	
Ambient temperature °F	-4°F ... +158°F
Ambient temperature °C	-20 °C ... +70 °C

Technical Drawings – Subject to Alterations



Accessories				
Figure	Description	Product Type	Art. No.	Weight lb
Fieldbus Power Supply				
	Fieldbus power supply and diagnostics	9412/00-310-11s	200586	0.3

Accessories

Figure	Description	Product Type	Art. No.	Weight lb
bus-Carrier				
	bus-Carrier for 4 segments, redundant	9419/04R-XX1-02C1	208746	1.32
	bus-Carrier for 8 segments, simplex	9419/08F-XX1-01C1	208745	1.32
	bus-Carrier for 8 segments, redundant	9419/08R-XX1-02C1	208747	2.65
bus-Carrier for Linking Device				
	bus-Carrier for Linking Device for 4 segments, redundant	9419/04R-LD1-02E1	250241	2.16
	bus-Carrier for Linking Device for 4 segments, simplex	9419/04F-LD1-01E1	250240	1.57
	bus-Carrier for Linking Device for 8 segments, simplex	9419/08F-LD1-01E1	250242	2.23

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

