

- Time- and cost-saving installation on DIN rails or mounting plates
- High availability thanks to redundant auxiliary power supply with signalling contact and separate signalling contact for segment errors
- Special slot for 9415 series DCM for online transmission of physical layer diagnostics

A5

WebCode **9419B**



9419 series bus carriers allow 9412 series fieldbus power supplies for FF H1 segments to be installed quickly and securely. Variants are available for eight segments with simplex supply and for four or eight segments with redundant supply.

Connectors are integrated in this version to connect the AKB336 system cable for Yokogawa ALF111 host assemblies.

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

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

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

Selection Table						
Product Description		ISbus fieldbus technology Yokogawa bus-Carrier				
Connection	Trunk supply	Number of segments	Number of slots	Product Type	Art. No.	Weight kg
To Yokogawa ALF111 FF H1 hosts	Redundant	4	8 FPS + 1 DCM	9419/04R-YO1-02A5	221455	0.600
	Simplex	8	8 FPS + 1 DCM	9419/08F-YO1-01A5	221454	0.600
	Redundant	8	16 FPS + 1 DCM	9419/08R-YO1-02A5	221456 ▲	1.200

The shield terminals (see accessories) must be ordered separately for the bus-carrier.

Please order fieldbus power supplies (FPS), diagnosis communication module (DCM) and linking devices (LD) separately.

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), USA (FM)
Electrical Data	
Error detection Power Fail (pri / red)	Contact "PF" (35 V /100 mA) closed in good conditions
Error detection Diagnostic	Contact "Dia" (35 V /100 mA) closed in good conditions
Auxiliary Power	
Nominal voltage	24 V DC
Redundant supply	yes, diode-decoupled

## Technical Data

### Ambient Conditions

Ambient temperature -20 °C ... +70 °C

### Mechanical Data




Connection Trunk to the terminals of the bus-Carrier or of the fieldbus power supply

Connection Host / red. host via system plug for Yokogawa AKB336 system cable

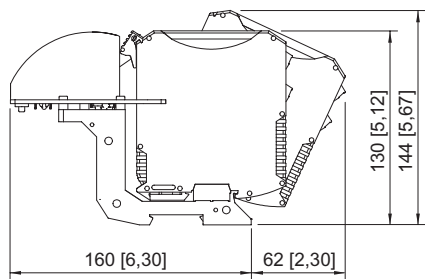
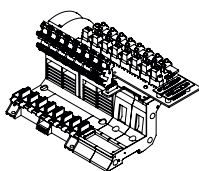
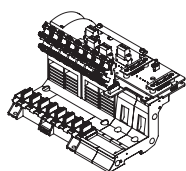
Connection DCM via ribbon cable using plug connectors

Connection shield via integrated shield bus or to terminal connections "S"

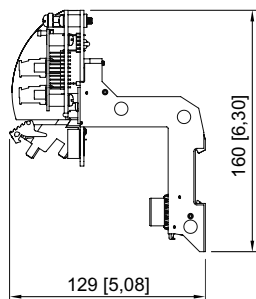
## Accessories

Figure	Description	Art. No.	Weight kg
<b>Diagnosis Communication Module 9415</b>			
	Transmission of diagnostics data for up to 8 segments via FF H1	207903	0.240
<b>Fieldbus Power Supply</b>			
	Fieldbus power supply, diagnostics and adjustable warning level	200588 ▲	0.135
<b>Spring-loaded clamping bracket</b>			
	Spring-loaded clamping bracket KLBÜ C01	113509	0.001

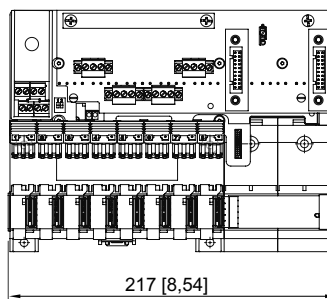
## Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations

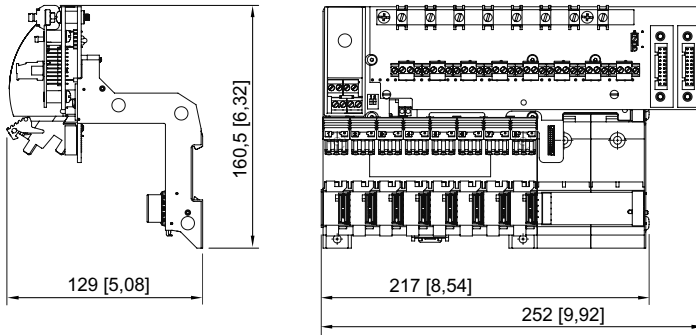


9419 bus-Carrier with modules



9419/04R bus-Carrier for 4 fieldbus segments





9419/08F bus-Carrier for 8 fieldbus segments

