

The Type 9419/**-**f-**** bus-Carrier is a passive Explosion-protected device for installation in Class I, Zone 2 or Class II, III, Zone 22 or Class I, II, III, DIV 2, Groups A-G Hazardous (Classified) Locations.

The Type 9419/**-**f-**** bus-Carrier is used to ease mounting and wiring of 8 or 16 Fieldbus Power Supplies (FPS) Type 9412/0*-3*0-1* for the single or redundant supply of 4 or 8 Fieldbus segments and optionally one Diagnosis Communication Module (DCM) Type 9415/00-310-4*.

bus-Carrier Type 9419/abc-def-ghij

ab = numeral 2 digits for number of segments supplied

04 = 4 segments

08 = 8 segments

c = letter for type of supply F = simplex

R = redundant

(e.g. XX = universal)

1 to 9 = with DCM slot

01 = simplex

02 = redundant

(e.g. C1 = screw type terminals)

de = arbitrary two letter for type of DCS system

f = numeral 1 digit for version of bus-carrier

gh = numeral 2 digits for type of Host

ij = one letter and one numeral for Host connector

Nominal values are as follows:

	Terminal designation	V _{nom}	I _{nom}
Primary Power Supply	primary + -	24 V DC (9 to 32 V DC)	< 8 A
Redundant Power Supply	redundant + -	24 V DC (9 to 32 V DC)	< 8 A
Power-Fail Monitoring Relay	PF	30 V AC or DC	100 mA
Diagnosis Monitoring Relay	Dia	30 V AC or DC	100 mA
Host and Trunk	FPS x	30 V DC	500 mA

Notes:

- For Installation requirements refer to Operating Instructions.
- For Connections refer to Operating Instruction.
- Installation should be in accordance with Article 501 to 506 of the National Electrical Code, ANSI/NFPA 70 and ANSI/ISA RP 12.06.01
- Installation in Canada should be in accordance with the Canadian Electrical Code, CSA C22.1, Part 1, Appendix F.
- Ambient temperature: - 20 °C ... + 70 °C depends on mounting and load conditions; refer to Operating Instructions of Fieldbus Power Supply type 9412/0*3*0-1*.
- Use a general purpose enclosure meeting the requirements of ANSI/ISA S82.02.01 for use in Non-Hazardous or Class I, Division 2, Hazardous (Classified) Locations
- Use an FM Approved Dust-ignition proof enclosure appropriate for environmental protection in Class II, Division 2, Groups E, F and G; and Class III, or Class II, III, Zone 22 Hazardous (Classified) Locations.
- The bus-Carrier Type 9419/**-**f-**** are to be snap mounted on DIN rail or screw mounted on a rail or plate.
- The bus-Carrier Type 9419/**-**f-**** provides galvanic separation per type of protection Ex ic between the Host and Trunk circuit and the non-intrinsically safe circuits.

WARNING:

Substitution of components may impair Intrinsic Safety.

Do not disconnect equipment when a flammable or combustible atmosphere is present.

AVERTISSEMENT:

Substitution de composants peut compromettre la sécurité intrinsèque.

Ne pas débrancher l'équipement en présence d'atmosphère inflammable ou combustible.

The safety relevant statements of this document may be transferred into the operating instructions. Transferring the text, editorial changes of equivalent meaning are allowed.

Version	Date	Name	2010	Date	Name	Certification drawing	Scale
			drawn	27.10.	Reistle	IS bus – bus-Carrier Type 9419/**-**f-****	none
			checked		Kaiser		Sheet 1 of 1
03	19.02.13	Bader					Agency FM
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