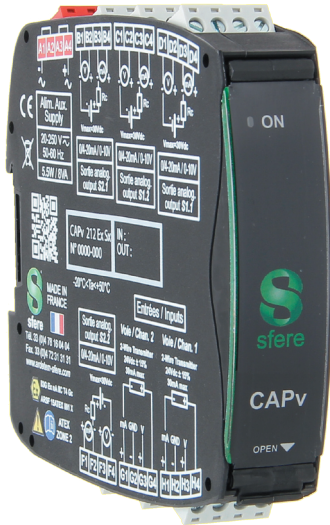


CAPv 111/112/211/212



- **Universal power supply:**
20 to 250 Vac and 20 to 250 Vdc or 24Vdc -15/+30% avec can be powered by the Bus (option Z)
- **Sensor supply**
24 Vdc $\pm 15\%$ with protection from short-circuits (Imax 30mA)
- **Response time** < 7.5ms
- **Input:**
0-20mA, 4-20mA or 0-10V (different references)
- **Output(s):**
1 or 2 isolated output(s) (duplicator) per channel.
Active or passive current output (0-20mA / 4-20mA), or voltage output 0-10V (different references)

Features

Inputs:

	permanent overload	input impedance
mA	100mA	5 Ω
V	50V	1M Ω

Output(s):

Load impedance in current: $\leq 700\Omega$
 Max. loop voltage in current output passive: 30V
 Load impedance in voltage: $\geq 5K\Omega$

Transfer:

Accuracy: $\pm 0,1\%$ of the measure range
 Response time: $\leq 7.5ms$
 Drift in temperature: 150 ppm typical

Power supply: 20 to 250 Vac and 20 to 250 Vdc or 24Vdc -15 to +30% for the version with Bus supply (option z)

Consumption: 5,5W max. 8 VA max.

Dielectric hold: 3kV / 50Hz / 1min.
(input(s)/output(s)/supply)

Operating temperature: -20 to +50°C

Storage temperature: -20 to +70°C

Installation:

Pollution degree 2 / voltage surge II / Max. altitude: 2000m

Protection: housing / terminals: IP20

Removable terminal blocks for screwed connections (2.5 mm², flexible or rigid)

Weight: 290 g (with packaging)

Self-extinguishing case of black UL 94VO PA66

Mounting in cabinet, latching on symmetrical DIN rail

Compliance with standards:

Directive «electrical safety» EN 61010-1

«ATEX» 2014/34/UE (area 2): EN60079-0, EN60079-15

Directive EMC 2014/30/UE EN 61326-1

Marking:



II 3 G Ex nA IIC T4 Gc

(* see the warning next page for installation in area 2)

Coding

CAPv xxx E x S x Z

Version with Bus supply 24Vdc -15/+30%

1	4-20mA
2	0-20mA
3	0-10V

111: 1 input / 1 output
 112: 1 input / 2 outputs
 211: 2 channels 1 input / 1 output
 212: 2 channels 1 input / 2 outputs

Example: CAPv212 E1S1

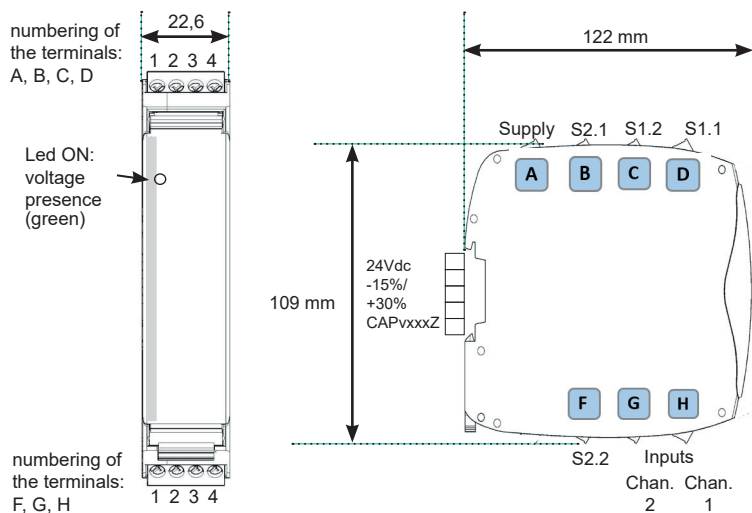
2 channels, inputs 4-20mA

2 outputs 4-20mA on each channel



The friendly interface

Dimensions

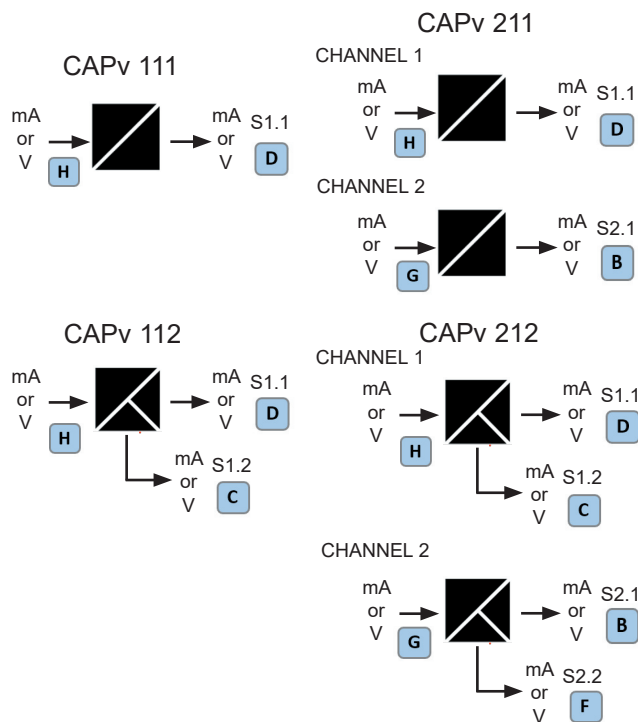


S1.1: channel 1, output 1 **D**

S1.2: channel 1, output 2 **C**

S2.1: channel 2, output 1 **B**

S2.2: channel 2, output 2 **F**



* Installation in Area 2 (ATEX)



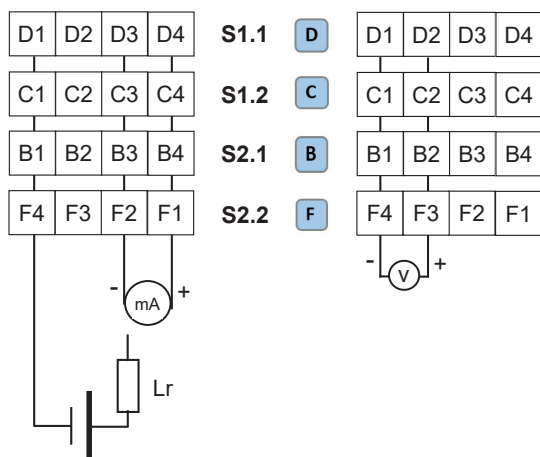
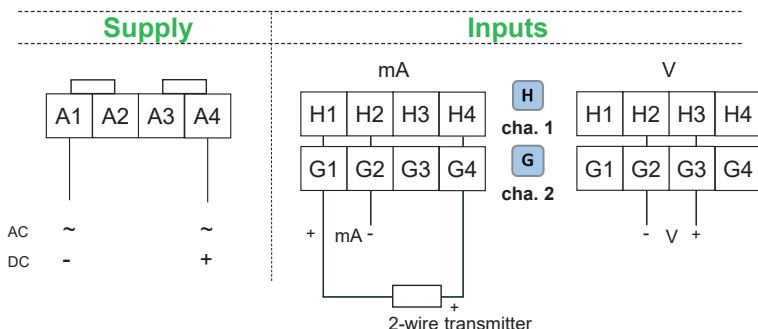
II 3 G Ex nA IIC T4 Gc

The product must be installed by qualified staff, competent on the directives and the regulation applicable to the area 2. It must be installed in a protecting envelope conform with the EN 60079-15.

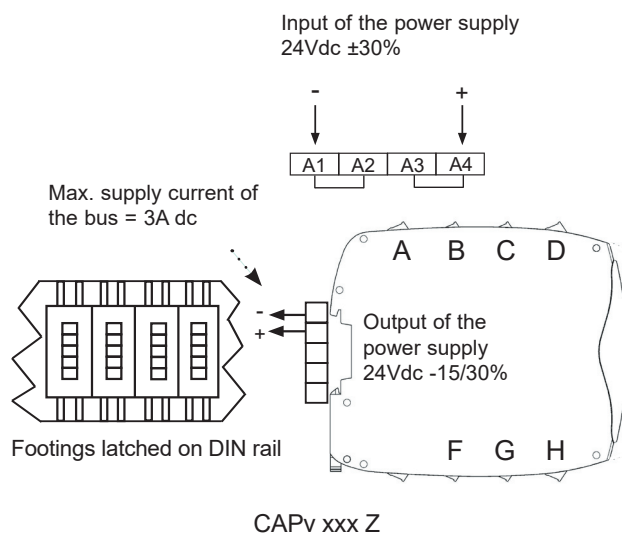
The operator must ensure an external protection in order to prevent transient disturbances on the supply higher than 40% of the nominal voltage. Cut both the main and emergency power supplies or make sure you are in non-hazardous area before any connection or disconnection of any cable connected to the CAPv.

The installation must comply with the EN 60079-14 : 2014.

Connectings



0-4/20mA passive external source 30V max.



SFERE . Société Française d'Etudes et de Réalisations Electroniques

RCS Lyon 423-502-608 - Printed in France

Route de Brindas - Parc d'Activité d'Arbora - N°2
69510 SOUCIEU EN JARREST - FRANCE

Tél. : 04 78 16 04 04 Fax. : 04 78 16 04 05
Tel. Intern. : 33 4 78 16 04 04 Fax Intern. : 33 4 78 16 04 05

e-mail : info@sphere-net.com . http : //www.sphere-net.com

Your representative