

## R-GCANs

CANbus CANopen Slave gateway module



### Main applications:

- Auxiliary machines
- Plastic processing machines
- Woodworking machines
- Extrusion lines
- Packaging Machines

### Main features:

- Installation: on R-BUS (x) backplane
- DB9 male connector
- 24VDC power supply
- Controls 16 GILOGIK II modules

### PROFILE

R-GCANs is a communication module with CANopen protocol for the GILOGIK II family.

It has 1 CAN channel to control 1 GILOGIK II node with a maximum of 16 I/O modules.

It interfaces with any device equipped with CANopen DS301.

Maximum communication speed is 1 Mbaud configurable via software.

The numbering of slaves up to 99 gives a total potential of approx. 25,000 I/O on the CAN network.

R-GCANs provides power to the entire GILOGIK II node.

The GILOGIKII node is configured by means of the Grafinet Studio package, a simple and intuitive tool that generates node composition.

R-GCANs is supplied complete with EDS configuration files.

### TECHNICAL DATA

#### PROTOCOL

Physical layer: CANopen 2.0B  
 Level CANopen: DS301 v. 3.0, v. 4.0  
 SDO: 1 server 0 client  
 PDO: 20TX, 20RX  
 Profile: DS401

#### CAN LINE

Optically isolated  
 Speed: 20kbit/s...1Mbit/s  
 Programmable software  
 Addressing: rotary switch  
 max. 99 nodes  
 Termination: external via 120Ω  
 resistance

#### CABLING

Distance:: max 100m at  
 500Kbit/s  
 Wire: AWG22/24  
 Connectors: 9 pin F SUB D  
 Line termination: external, 120 Ohm-  
 impedance

#### PROCESS IMAGE

Number of I/O: 160  
 Configuration: via Software with  
 Grafinet Studio or  
 EDS files supplied

#### POWER SUPPLY

Voltage: 24Vdc ± 25%  
 Current: 2A max  
 Connector: 2 pin F, spring con-  
 tacts, cage clamp

#### DIMENSIONS AND WEIGHT

Dimensions: 92x90x25.4mm  
 Weight: 150g.  
 Fastening: snaps on R-BUS(x)

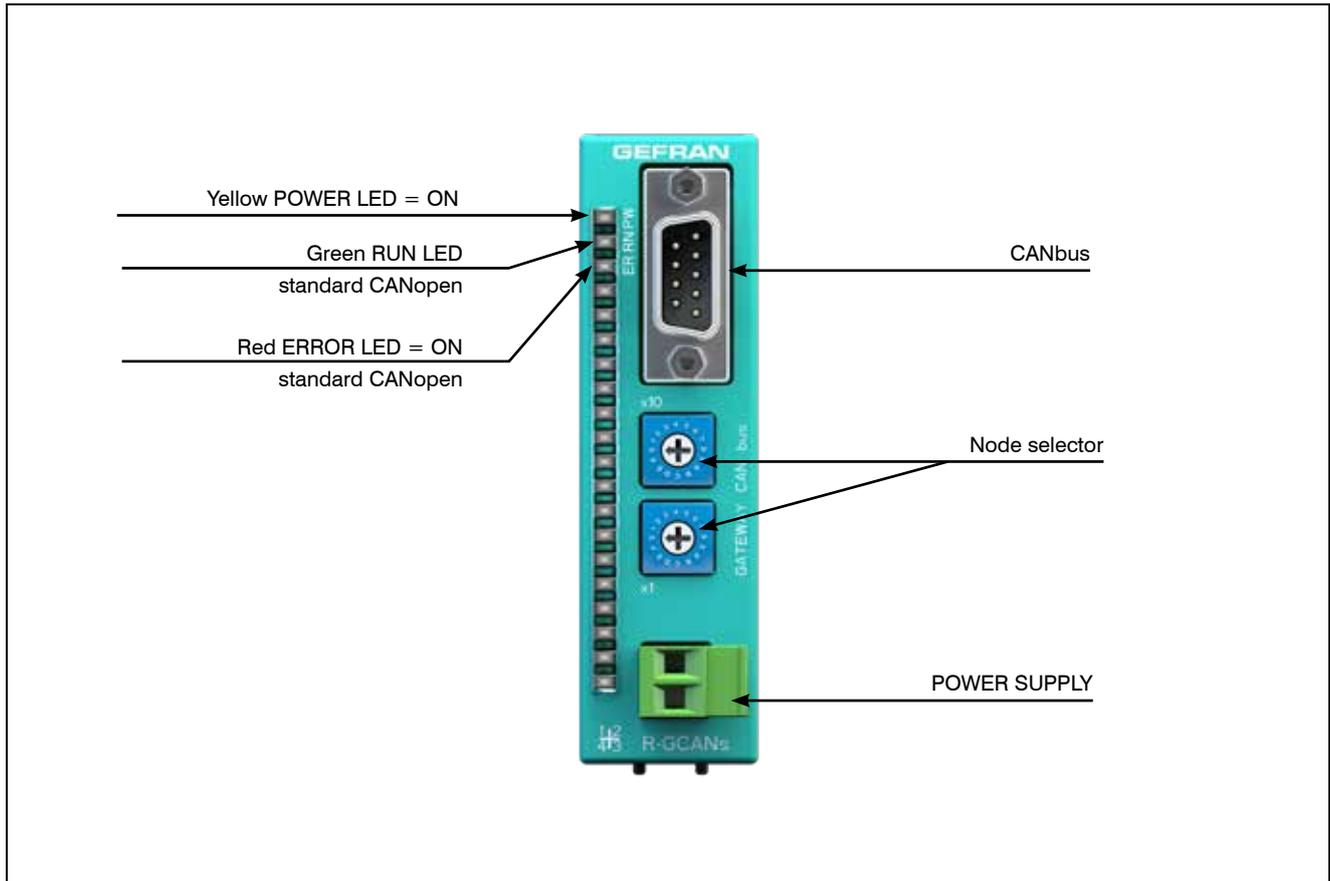
#### DIAGNOSTICS

Yellow LED: POWER  
 power on  
 Green LED: DATAEX  
 communication in  
 progress  
 Red LED: ERROR  
 communication in  
 error or module  
 malfunction

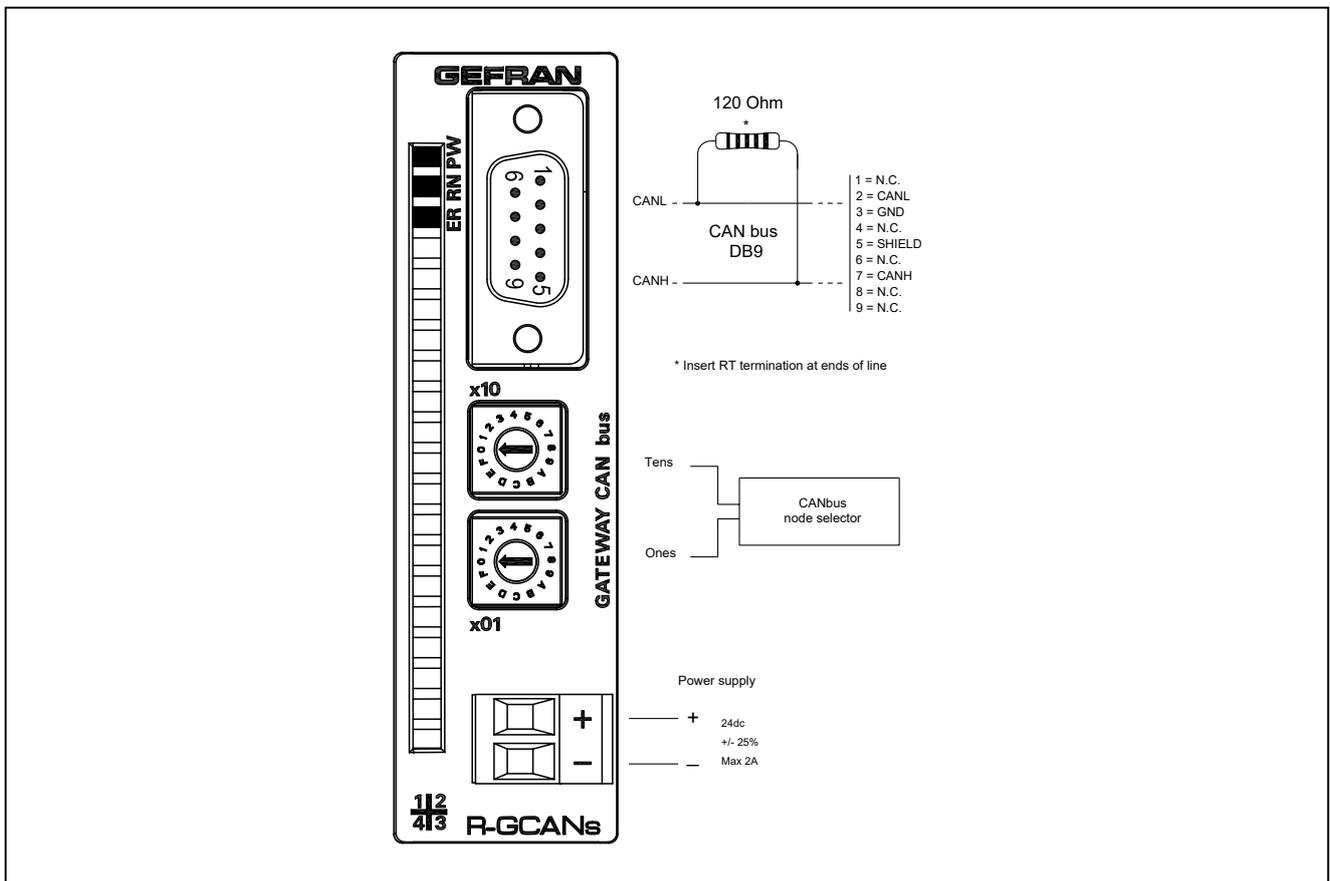
#### CERTIFICAZIONI

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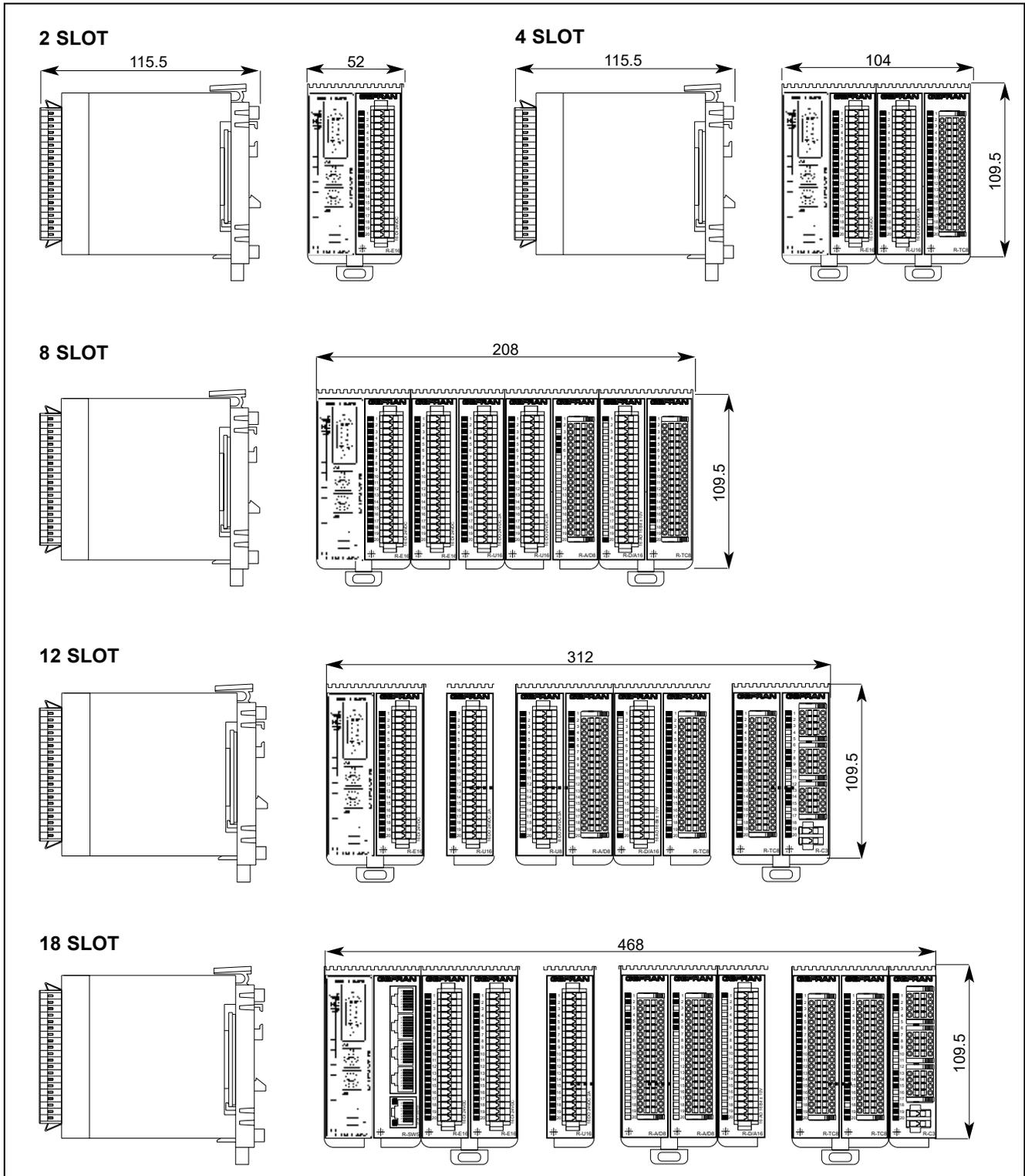
## FRONT PANEL



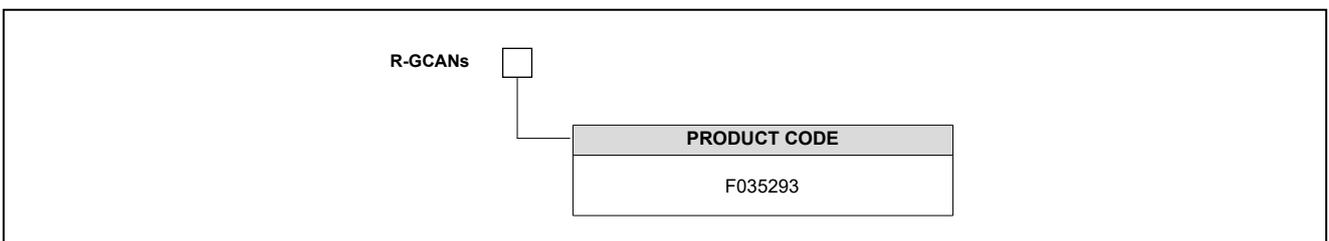
## CONNECTIONS AND CONFIGURATION



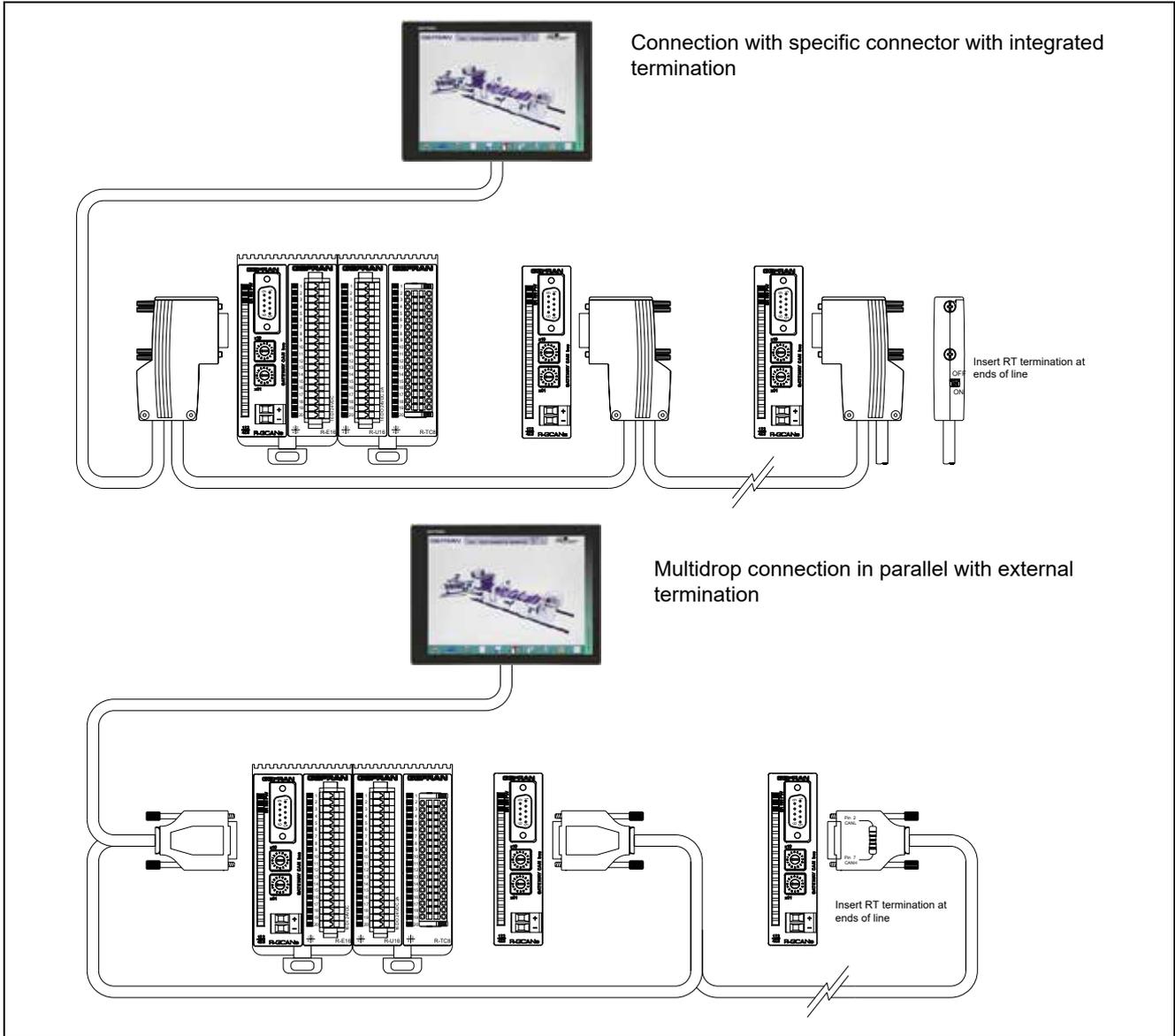
## DIMENSIONS



## ORDER CODE



# INSTALLATION



GEFRAN spa reserves the right to make aesthetic or functional changes at any time and without notice

 <p>c Us</p>	<p>Conformity UL508 File no. E198546</p>
	<p>Respect de la directive 2014/30/UE          EN 61131-2 : automates programmables          Partie 2 : Exigences et essais des équipements.</p>