

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 GILOGIKII 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: I server O 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
contacts, cage
clamp

DIMENSIONS AND WEIGHT

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

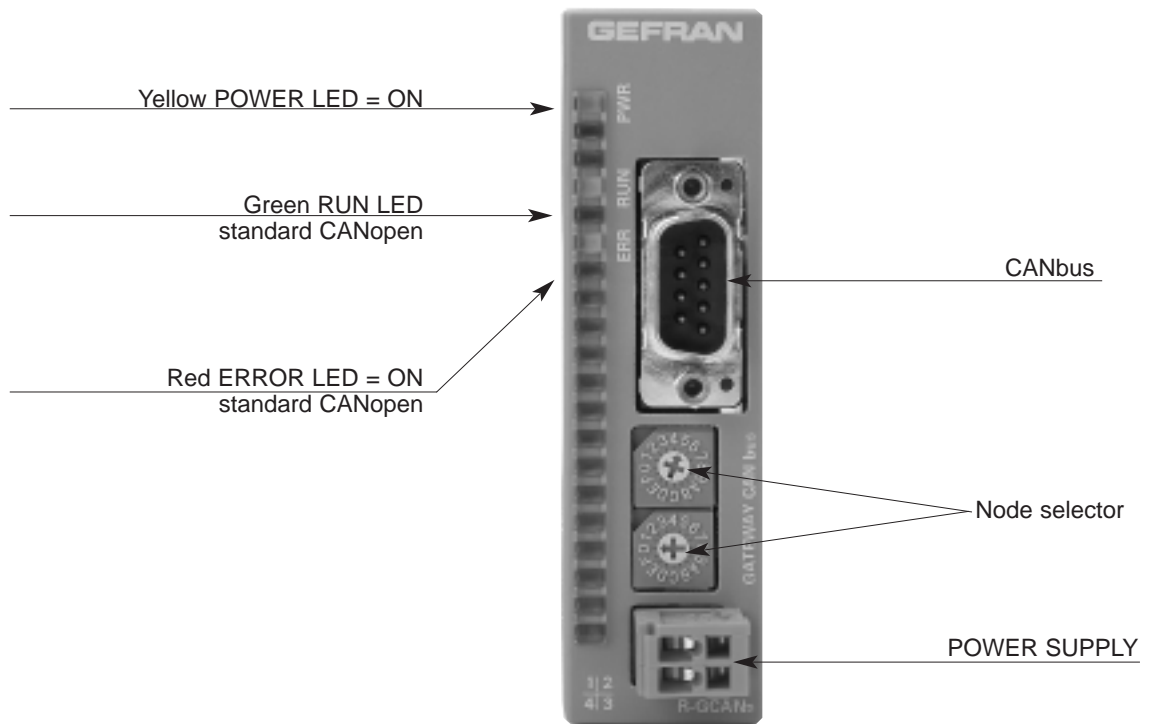
DIAGNOSTICS

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

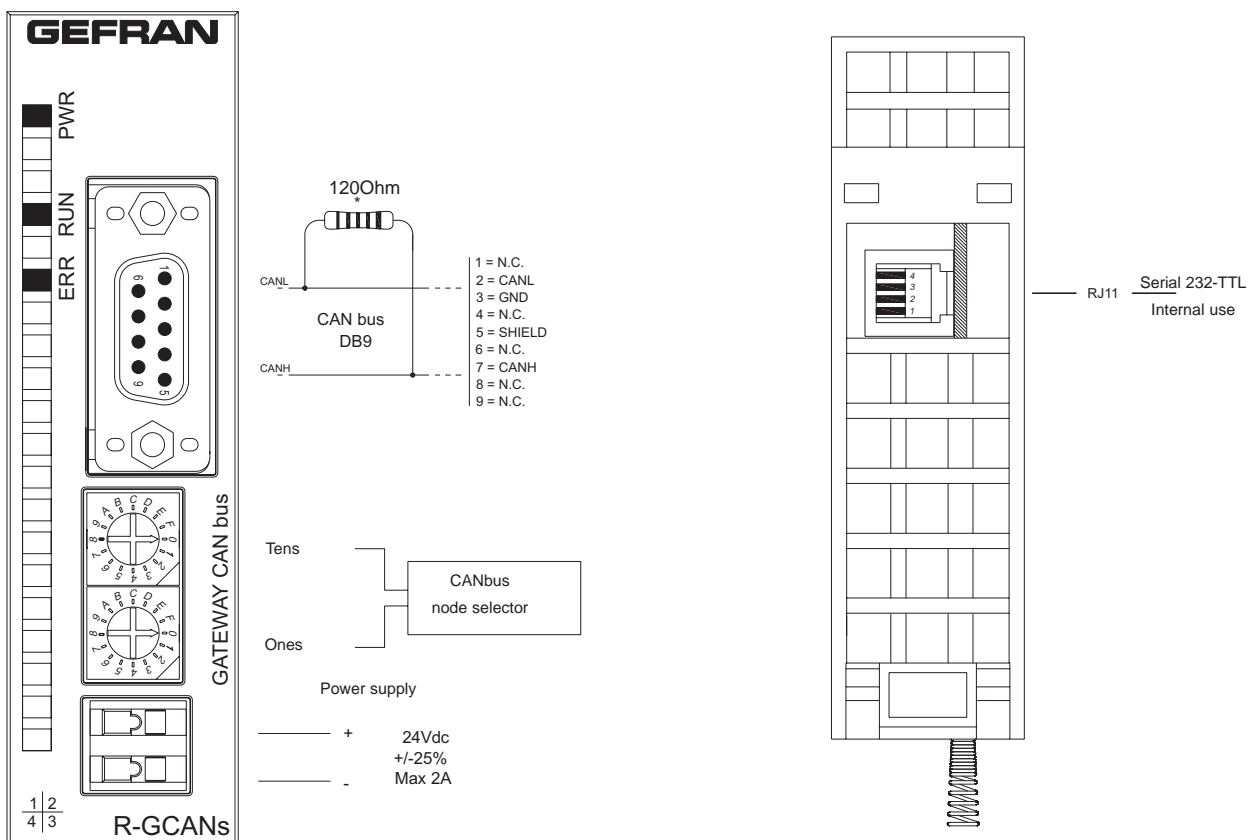
CERTIFICATIONS

CE
UL

FRONT PANEL



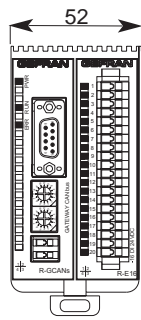
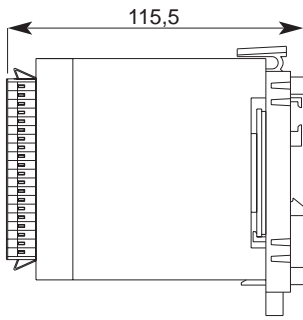
CONNECTIONS AND CONFIGURATION



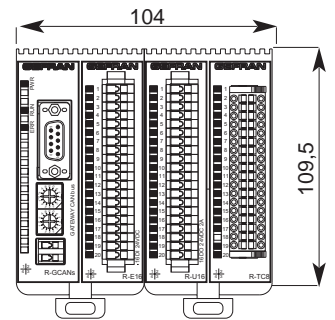
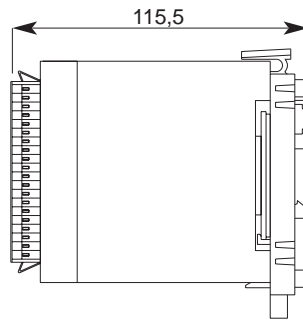
* Insert RT termination at ends of line

DIMENSIONS

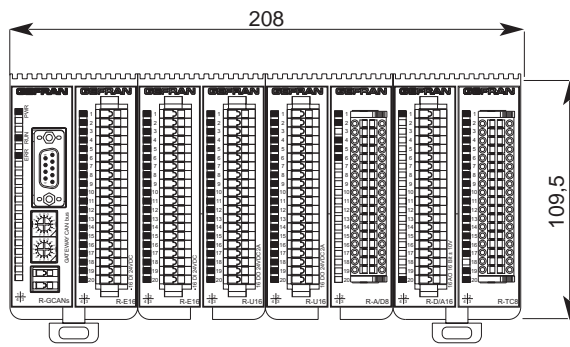
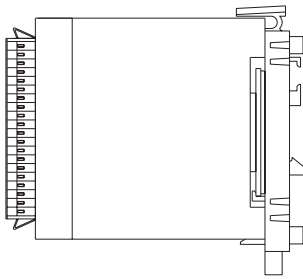
2 SLOT



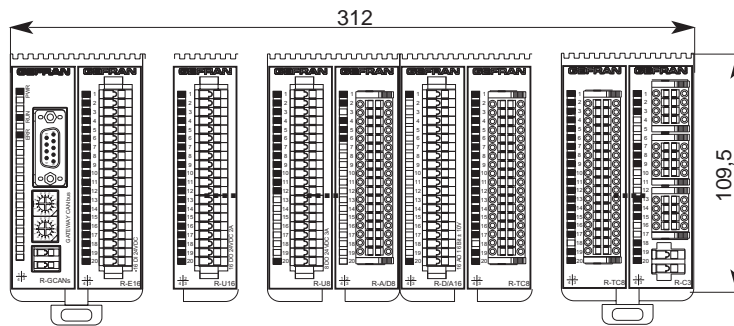
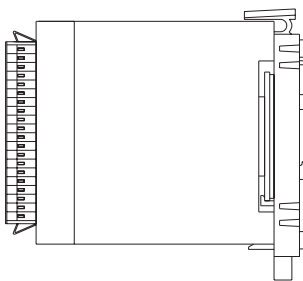
4 SLOT



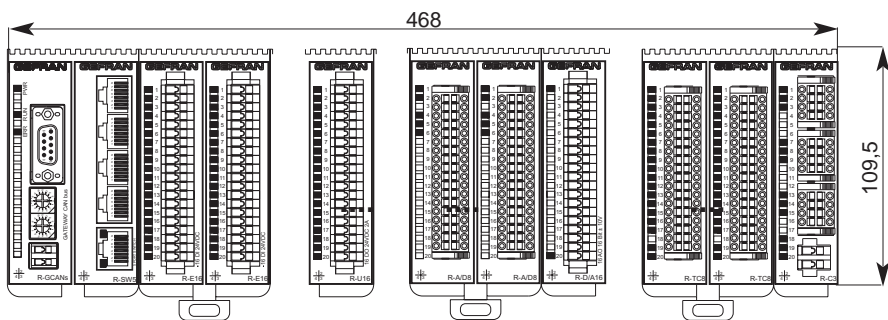
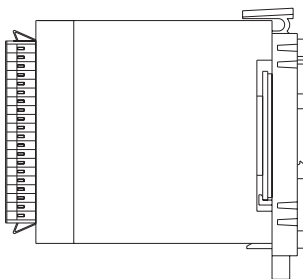
8 SLOT



12 SLOT

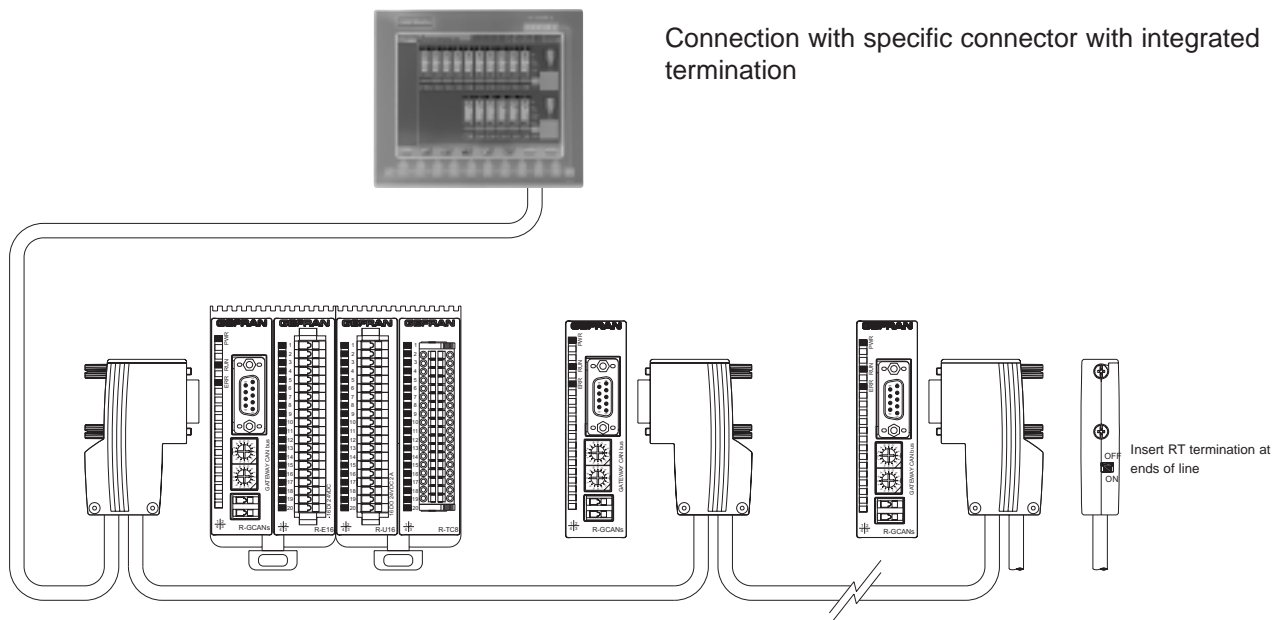


18 SLOT

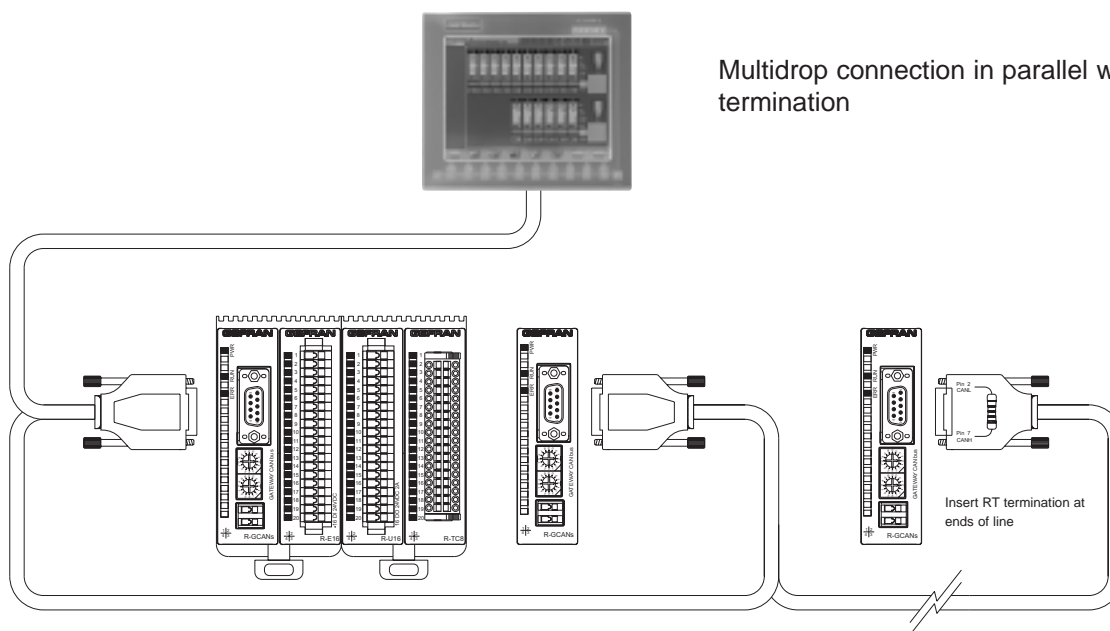


INSTALLATION

Connection with specific connector with integrated termination



Multidrop connection in parallel with external termination



ORDER CODE

R-GCANs

PRODUCT CODE

F035293

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



Conformity UL508 File no. E198546



The instrument conforms to the European Directives 2004/108/CE and 2006/95/CE with reference to the generic standards:
 - EN 61000-6-2 (immunity in industrial environments) - EN 61000-6-3 (emission in residential environments) - EN 61010-1 (safety)
 - EN 61161-2 (product standard). The Declaration of conformity is available on GEFRAN web: www.gefran.com

GEFRAN

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