



Main applications

- Plastics extrusion line and injection presses
- Thermoforming machines
- Rubber presses
- Packaging machines
- Packing machines
- Synthetic fiber polymerization and production plants
- Food processing plants

Main features

- Complete control of R-BUS(x) back plane
- Refresh of all installed I/Os in 100us (1 node)
- GNet interface
- Power supply of backplane
- In Conformity with UL508

PROFILE

R-ETH100 is a bridge module with Fast-Ethernet interface for GNET. It controls 100 Mbps communication with the operator terminal on one side and powers and controls the modules installed on the R-BUS(x) backplane on the other, acquiring data from all the I/Os every 100µs. It can control a maximum of 16 I/O modules.

A rotary switch on the front panel lets you assign the node number in the network (1-15). The communication port has an RJ45 connector and two signal LEDs (link and data). R-ETH100 is powered at 24 VDC via an extractable connector.

TECHNICAL DATA

Power supply

- 24 VDC $\pm 25\%$ 2A max., powers the entire GILOGIK II system
- polarity inversion protection

Ethernet

- standard RJ45 connection
- 16 position rotary switch for node configuration:
 - 0: not inserted in network, not configured
 - 1...F selection node 1...15

Diagnostics

- power supply on (yellow LED)
- module in run (green LED)
- module or system in alarm (red LED)
- yellow LINK led: network connected
- green DATA led: data transfer

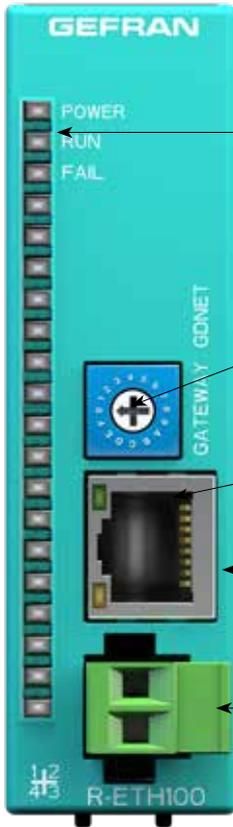
MECHANICAL DATA

Dimensions: 92x90x25,4mm
Weight: 150g.
Fixing: snaps onto R-BUS(x)
Protection level: IP20

AMBIENT CONDITIONS

Working Temperature: 0...50°C
Storage Temperature: -20...70°C
Humidity: max. 90% Rh not condensing

FACEPLATE DESCRIPTION



Yellow POWER LED = ON: power on
 Green run LED + Red Fail LED = ON: reset system, boot
 Green run LED = FLASHING (fast): system is in Run
 Green run LED = FLASHING (slow): system is in configuration phase
 Red Fail LED = ON: system error

Rotary switch to select the node number to be set during installation of the system and network.

Green DATA LED = FLASHING: system is transferring data
 Yellow LINK LED: ON = system is connected to network

Connection for Ethernet: standard with model RJ45 connector.

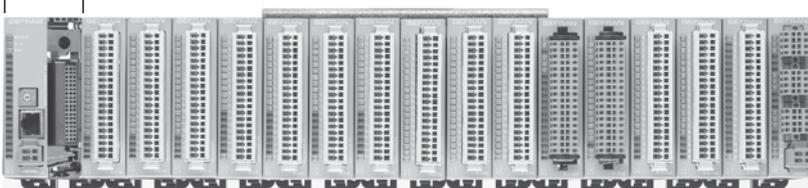
Power supply terminals: 24V \pm 25% 2A max.

INSTALLATION AND CONNECTIONS

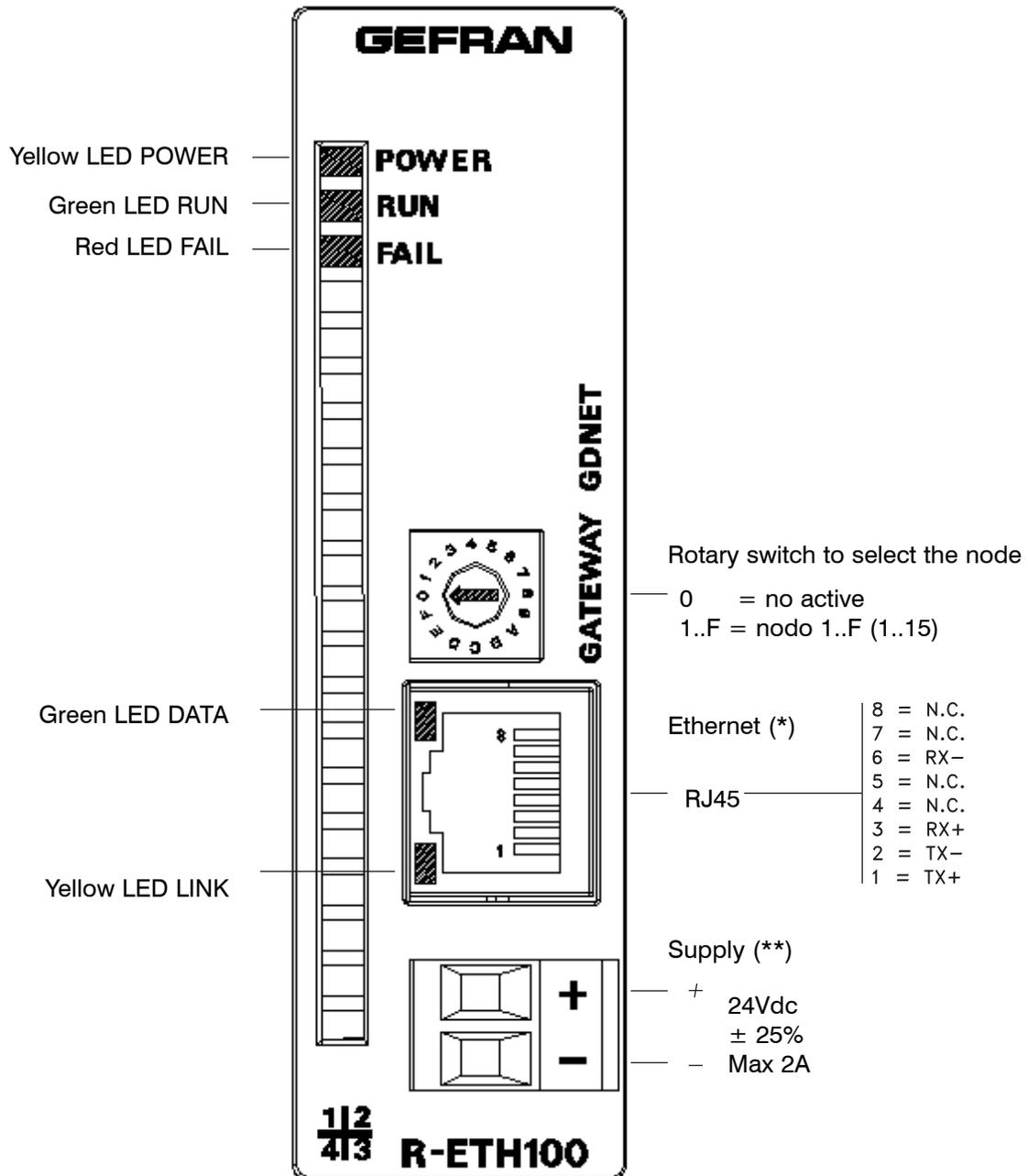


The module installs on R-BUS(x) in the first slot on the left if there is no R-SW5 module; in the second slot if there is an R-SW5 module.

(*)



(*) with the 18 position bus, positions 1, 2 are reserved to the R-ETH100 and R-SW5 modules.



(*) Use standard category 6 cable according to TIA/EIA-568A

(**) Use unipolar cable with 1-1.5mm cross section Do not attach a lug

ORDER CODE

module code

R-ETH100

F026081

Code

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

	Conformity UL508 File no. E198546
	Compliance with Directive 2014/30/EU EN61131-2: Programmable controllers Part 2: Equipment requirements and tests