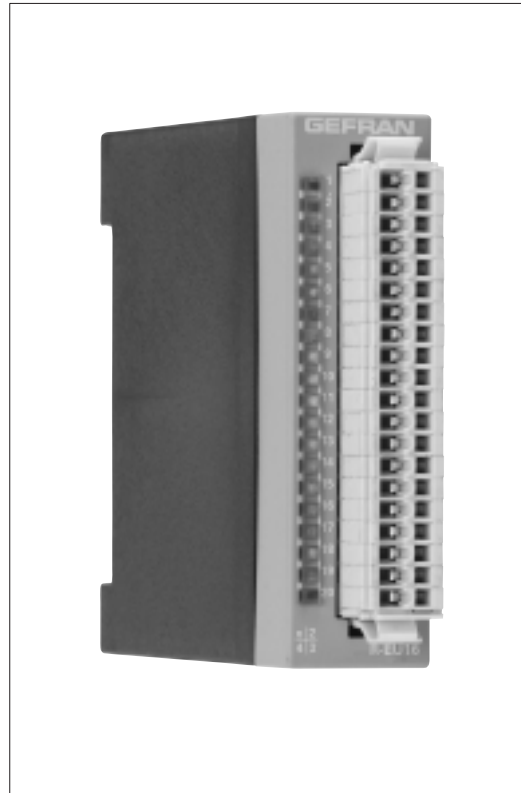


R-EU16

MODULE WITH 8 DIGITAL INPUTS + 8 DIGITAL OUTPUTS



Main applications

- Plastic machines
- Packing and packaging machines
- Auxiliary machines
- Automation systems

Main features

- Installation on R-BUSxx backplane
- Eight 24Vdc \pm 25% digital inputs
- Eight 24Vdc outputs from 2A max.
- Short-circuit and overload protection on all outputs
- Diagnostic LEDs
- In Conformity with UL508

PROFILE

The R-EU16 is a mixed module with 8 digital inputs and 8 digital outputs, used for completing system configuration with a single board and/or for saving space on the backplane.

The 24V PNP inputs have a software-programmable filter.

The module is organized in 8 inputs + common GND.

Input presence is signaled by lighting of the green LED.

The module is organized in 2 groups of 4 outputs.

The PNP outputs have current recycle circuitry for inductive loads and are protected against short circuits, overload, and overheating.

Tripping of the protection is signaled by a red LED.

TECHNICAL DATA

Inputs

- Controls 8 optically isolated 24Vdc digital inputs
- Maximum voltage of input: 32V 25mA max
- Protection against inversion of polarity
- Input trigger maximum voltage for "0" (input OFF) = 12 Vdc minimum voltage for "1" (input ON) = 15 Vdc
- 100Hz and 5KHz input filters selectable via software
- Inputs independently programmable as system interrupt (via software)
- Overvoltage on input for 1ms max. 1KV

Outputs

- Controls 8 optically isolated 24Vdc \pm 25% digital outputs
- Organization: 2 groups of 4 outputs
- Output power supply: 24Vdc \pm 25%
- Maximum current for output: 2A
- Maximum current for group of 4 outputs: 5A
- Maximum current for 8 outputs: 8A
- Current protection for output: > 2,2A

- Overvoltage on output for 1ms max. 1KV
- Isolation: > 3KV
- Power supply via backplane R-BUS (x) 3.3V

Diagnostics

- Yellow LED for each power supply
- Green LED for each input
- Green LED for each output
- Red LED for output alarms

MECHANICAL DATA

Dimensions: 92x90x25,4mm

Weight: 130g. max.

Attachment: snaps onto R-BUS(x)

Protection level: IP20

Connector: front 20 pin

AMBIENT CONDITIONS

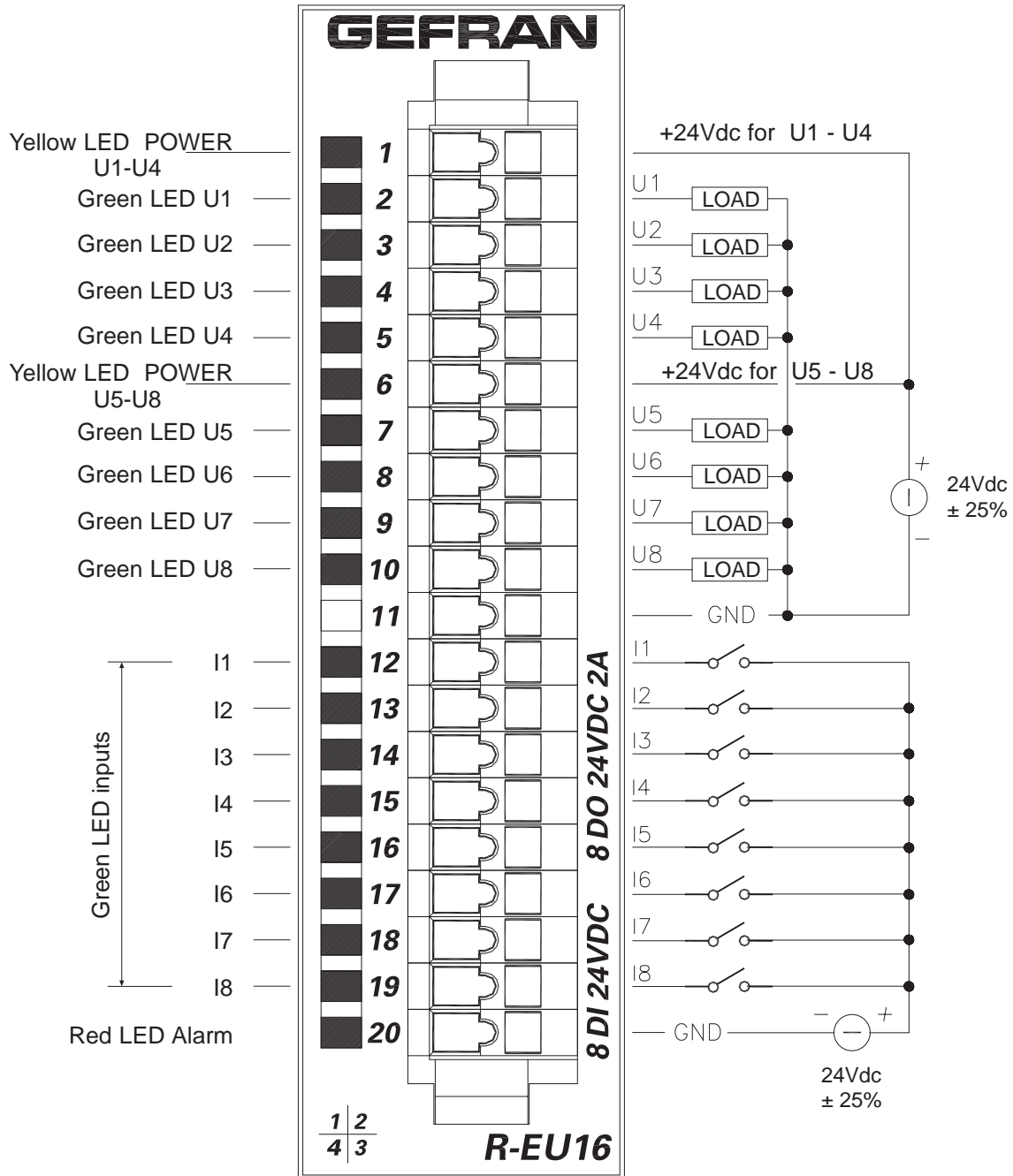
Working temperature: 0...50°C

Storage temperature: -20...70°C

Humidity: max. 90% Rh not condensing

INSTALLATION AND CONNECTIONS

Inputs: 24Vdc $\pm 25\%$, 25mA max., use unipolar cable with 0,75...1mm max. cross-section; do not apply lug
 Power supply: 24Vdc $\pm 25\%$, 8A max., use unipolar cable with 1,5mm max. cross-section; do not apply lug
 Outputs: 24Vdc $\pm 25\%$, 2A max., use unipolar cable with 1...1,5mm max. cross-section; do not apply lug



ORDER CODE

module code **R-EU16** F030782 Code

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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