GEFRAN

R-E16
16 DIGITAL INPUT MODULE

Main applications

Connection of:
- *proximity sensors*
- *control devices*
- *ON/OFF signals from electronic devices or auxiliary contacts*

Main features

- *16 digital inputs 24 Vdc ± 25%*
- *PNP optically isolated Inputs*
- *Filters selectable individually via software*
- *Protection against inversion of polarity*
- *Interrupt control for each input with front selectable via software*
- *Removable connector supplied*
- *In Conformity with UL508*

PROFILE

The R-E16 module has 16 optically isolated digital inputs, 24 VDC, PNP, and acquires logic signals from proximity sensors, drives, etc.
It is installed on the backplanes of the R-BUS(x), from which it receives auxiliary power supply (LED).
Each input is protected against inversion of polarity and has signal LEDs to indicate its state. Each has a twin input filter (10 ms or 200 μs selectable via software) and be controlled individually at interrupt with front selectable via software.

TECHNICAL DATA

- Control of 16 optically isolated digital inputs, 24Vdc ± 25%
- Maximum input voltage: 32V 25mA
- 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)
- Isolation > 3kV
- Overvoltage on input for 1ms maximum 1kV
- Power supply: via R-BUS(x) 3.3V backplane

Diagnostics

- Green state LED for each input

MECHANICAL DATA

Dimensions: 92x90x25,4mm
Weight: 150g.
Attachment: mechanically snaps onto R-BUS(x)
Protection level: IP20
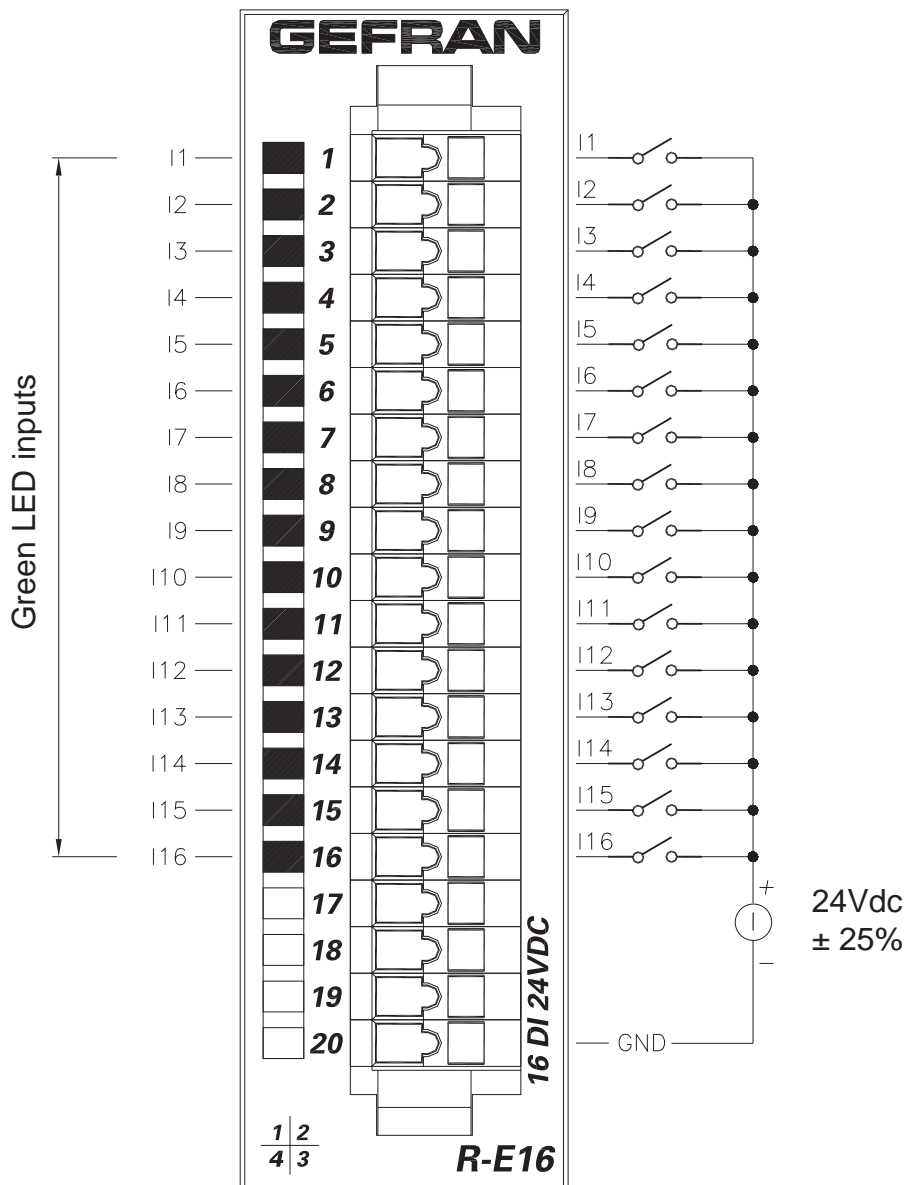Connector: front 20 pin female with spring-mounted lock

AMBIENT CONDITIONS

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

Use unipolar cable with cross section 0.75… 1 mm max; do not attach lug.

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Green LED inputs

I1	1
I2	2
I3	3
I4	4
I5	5
I6	6
I7	7
I8	8
I9	9
I10	10
I11	11
I12	12
I13	13
I14	14
I15	15
I16	16
	17
	18
	19
	20

I1, I2, I3, I4, I5, I6, I7, I8, I9, I10, I11, I12, I13, I14, I15, I16

24Vdc
± 25%

GND

16 DI 24VDC

1	2
4	3

R-E16

module code	**R-E16**	F026082	Code

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