GEFRAN

R-ECAT
GATEWAY ETHERCAT CoE MODULE

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 200μs for an average system*
- *ETHERCAT, protocol CoE interface*
- *Power supply of backplane*
- *In Conformity with UL508*

PROFILE

R-ECAT is a bridge module with Fast-Ethernet interface for GDNET.
It controls 100 Mbps communication with the master controller 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 200μs for an average system.
It can control a maximum of 16 I/O modules.
Two rotary switches on the front panel allow you to activate "Explicit Device Identification" (0 .. 159).
The communication port has 2 RJ45 IN and OUT connectors complete with "activity" and "data" LEDs.
R-ECAT is powered at 24 VDC via an extractable connector.

TECHNICAL DATA

Power supply
- 24 VDC ±25% 2A max., powers the entire GILOGIK II system
- polarity inversion protection

Ethercat network
- standard connection with 2 RJ45, in and out
- 2 rotary switches to activate "Explicit Device Identification" 0..159..

Diagnostics
- power supply on (yellow LED)
- module in run (green LED)
- module or system in alarm (red ERROR)
- yellow LINK led: active link
- green DATA led: data transfer.

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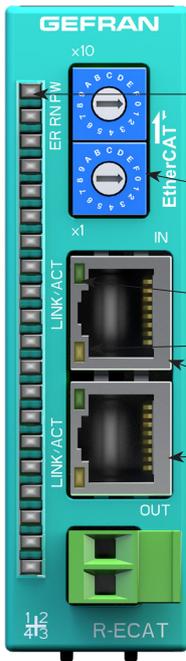Fixing: snaps onto R-BUS(x)
Protection level: IP20

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

FACEPLATE DESCRIPTION

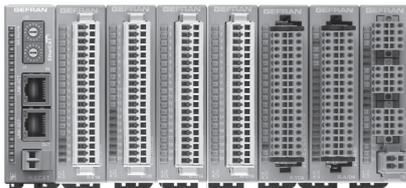| Yellow POWER LED |
| Green RUN LED |
| Red FAIL LED |

Double rotary switches, units and tens, for EXPLICIT DEVICE IDENTIFICATION setting

Green LED DATA
Yellow LED LINK
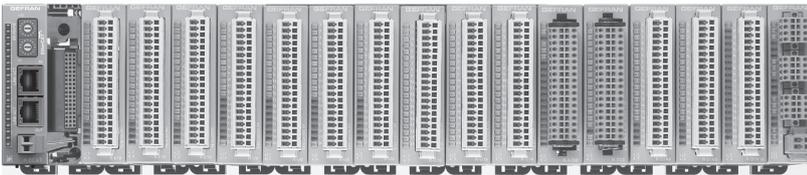
Ethercat RJ45, IN - OUT network connectors

Power supply terminals: 24Vdc ±25% 2A max.

INSTALLATION AND CONNECTIONS

The module installs on R-BUS(x) in the first slot on the left .

ORDER CODE

| module code | **R-ECAT** | F076726 | 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