

R-GPBs2

PROFIBUS DP Slave gateway module



Main applications

- Food industry
- Filling lines
- Extrusion lines
- Process control
- Data acquisition systems
- Auxiliary machines
- Automation systems
- Remote controls

Main characteristics

- Installation on R-BUS(x) backplane
- DB9 female connector
- Interface with devices equipped with PROFIBUS DP Master interface

PROFILE

R-GPBs2 is a communication module with PROFIBUS DP protocol for the GILOGIK II family.

Equipped with 1 PROFIBUS slave channel and usable only with an R-CPU300 and/or GF-VEDO EL35CT/EL57CT.

This module is used to acquire different types of data (inputs /outputs / words / bits).

Maximum communication speed is 12 Mbit/s, self-configuring.

The slave nodes are numbered from 1 to 124.

Line termination resistances are external on the standard PROFIBUS connector.

The GILOGIK II node is configured by means of the GSD file

TECHNICAL DATA

PROTOCOL
PROFIBUS DP V0

FUNCTION
Connecting the Gilogik II system to a PROFIBUS DP Master device

BAUD RATE
Software self-synchronization from 9.6 to 12,000 Kbit/s

CONNECTOR
9 pin D-type, female

NODE ADDRESS
HW 1.99 with 2 rotary switches
SW 1..124 with specific message

I/O DIMENSIONS
Input-Output: depend on configuration, max I/O 240 bytes

MSG SUPPORTATED
Data_Exchange, Slave_Diag, Set_Prm, Chk_Cfg, Get_Cfg, Global_Control, Set-Slave-Add

GSD FILE
RGPS0Bb8.gsd

CABLING

Distance: 1200m a 9,6 Kbit/s;
100m a 12.000 Kbit/s
Wire: PROFIBUS EN50170
Impedance: 150 Ohm a 2 conductors
Connectors: D-SUB 9 pin male
External line termination, on connector

POWER SUPPLY
Module power supply back-plane R-BUS(x) 3.3V

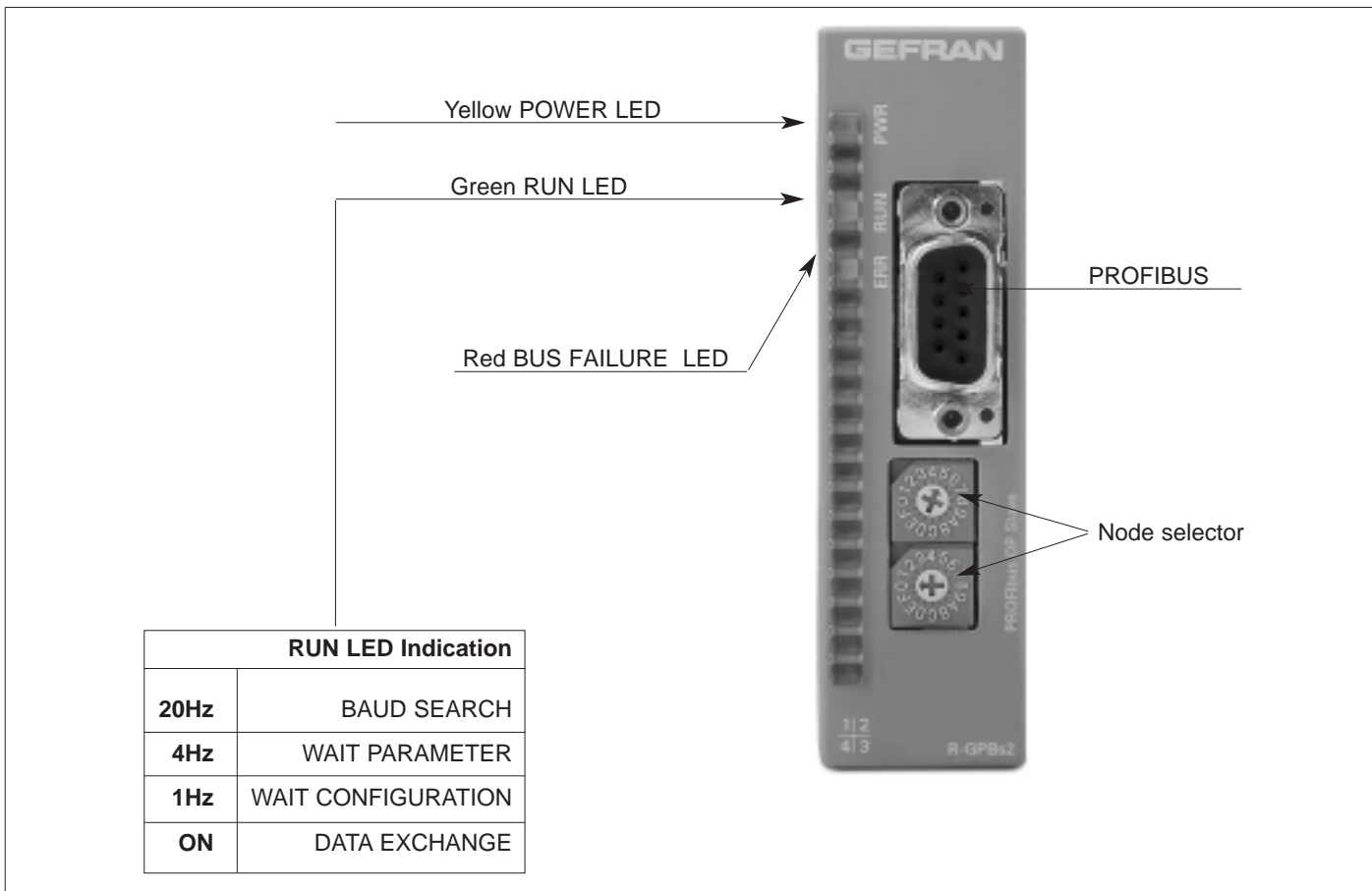
DIAGNOSTICS
Yellow POWER LED: Powered.
Green LED: Operating
Red LED: BUS failure

DIMENSIONS AND WEIGHT
Dimensions: 92x90x25,4mm
Weight: 150g.
Fastening: snaps on R-BUS(x)
Protection level: IP20

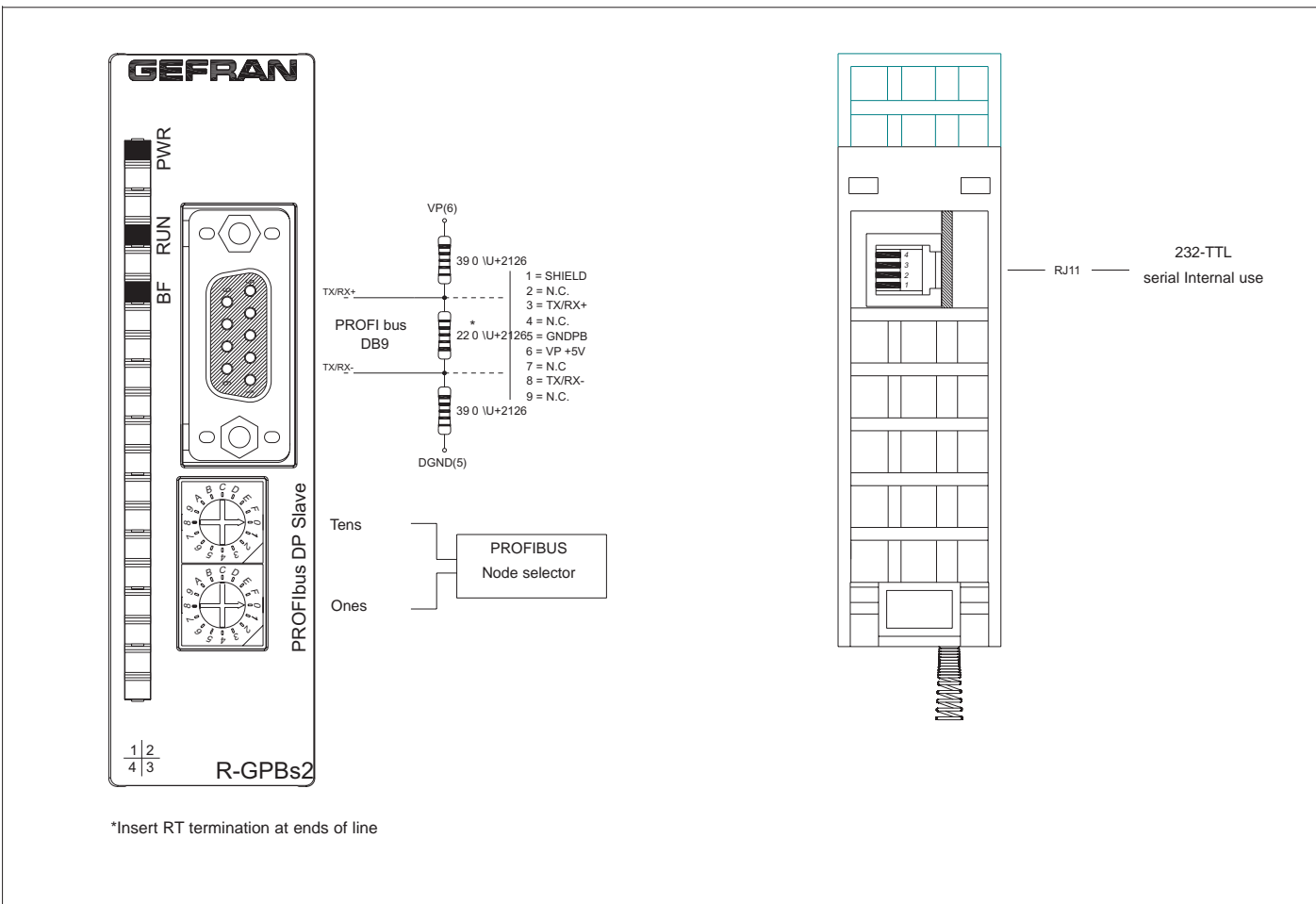
ENVIRONMENTAL SPECIFICATIONS
Working temperature: 0...50°C
Storage temperature: -20...70°C
Humidity: max. 90% RH non-condensing

CERTIFICATIONS
CE

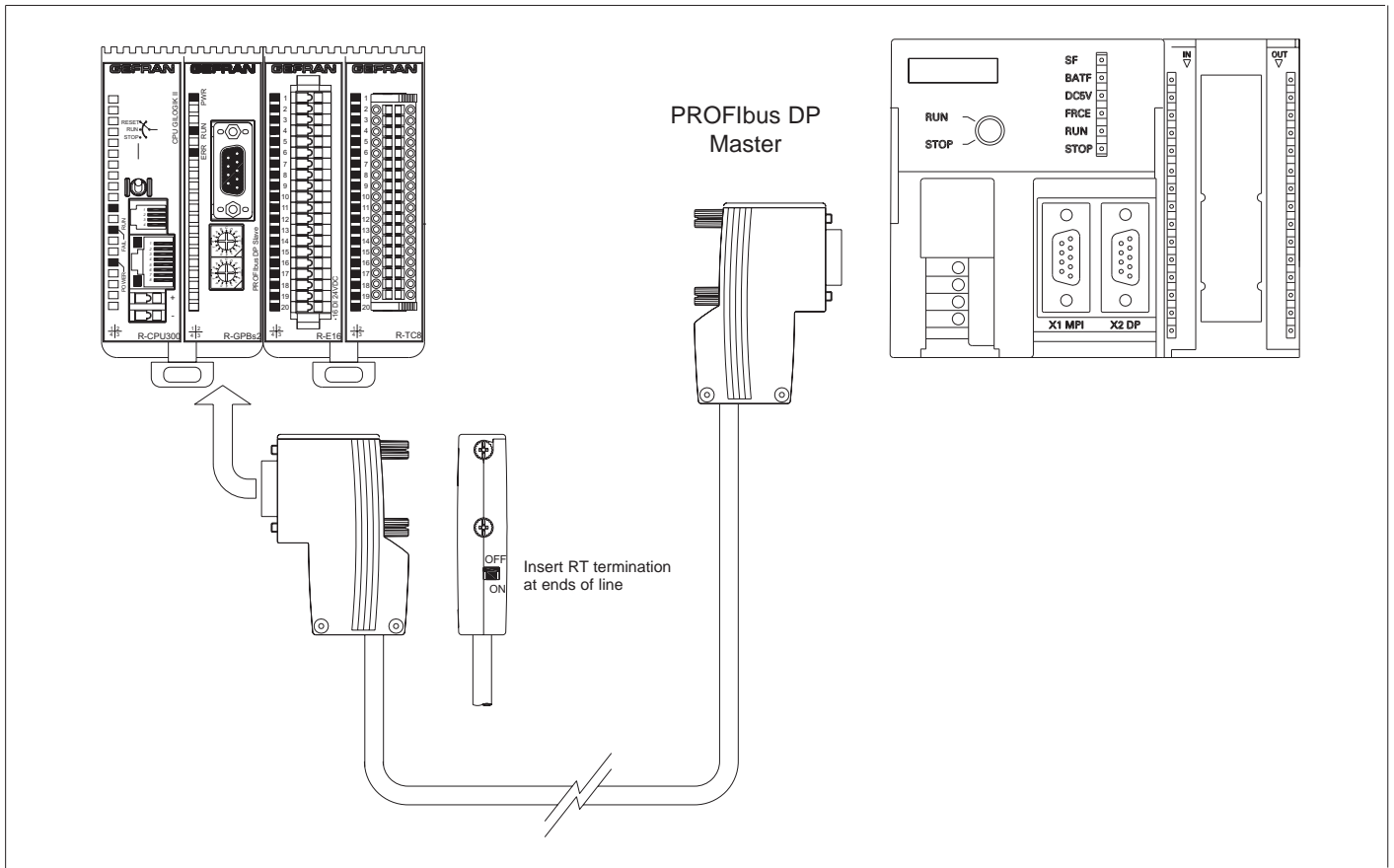
FRONT PANEL



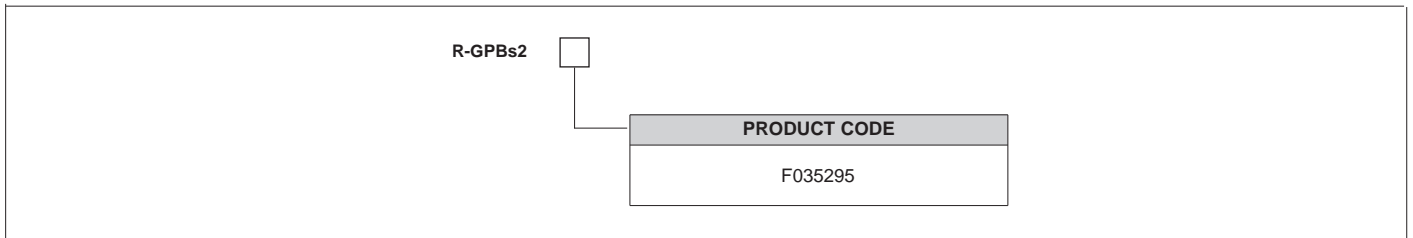
CONNECTIONS AND CONFIGURATION



INSTALLATION



ORDER CODE



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



In conformity to ECC 2004/108/CE (EMC) and 2006/95/CE (LVD) with reference to: **EN 61131-2** (product) **EN 61010-1** (safety).