Auxiliary unit for Carbomat-M, Carbo-M and Nitromat-M with cable and connector Type: REL 45.12.4.1.1

Principle of Operation:

The auxiliary unit **REL 45**… is designed to connect external components like thermo-couples, O_2-probe, temperature controller etc.
This box contains the circuit of interface with the controller, alarm relays of the system, relays of the auxiliary outputs and the main outputs connection with **Carbomat-M**, **Carbo-M** and **Nitromat-M**.

Technical Data:

Dimensions:
100 x 245 x 125 mm (L x W x H)

Mounting:
Quick fastening for norm tracks DIN 46277 and DIN EN 50022

Degree of Protection:
Case and clamps IP 20

Wiring:
Cable cross section up to 2,5 mm^2
Number of terminals: 52

Auxiliary voltage:
230 Vac ± 10 % / 50-60 Hz

Power consumption:
approx. 8 VA

Output:
12 NO contacts, isolated 3 A / 250 Vac mA, V for ext. controller a recorder

Input:
Thermocouple, O_2-probe, logic-inputs

Display:
LED 0...12 to show the relay position

Ambient Temperature:
-10...+50 °C

Connection cable:
Shielded cable with 37-pole D-Sub-plug
Standard length 1 Meter

Climatic Conditions:
Storage and operation -10... 45 °C

Modell code:
REL 45.12.4.1.1
- cable length in meter
- Pt 100 for reference junction
- Power supply 3: 115 Vac
  4: 230 Vac
- number of relay outputs

measure – control – automate - measure – control – automate - measure – control – automate –.measure – control

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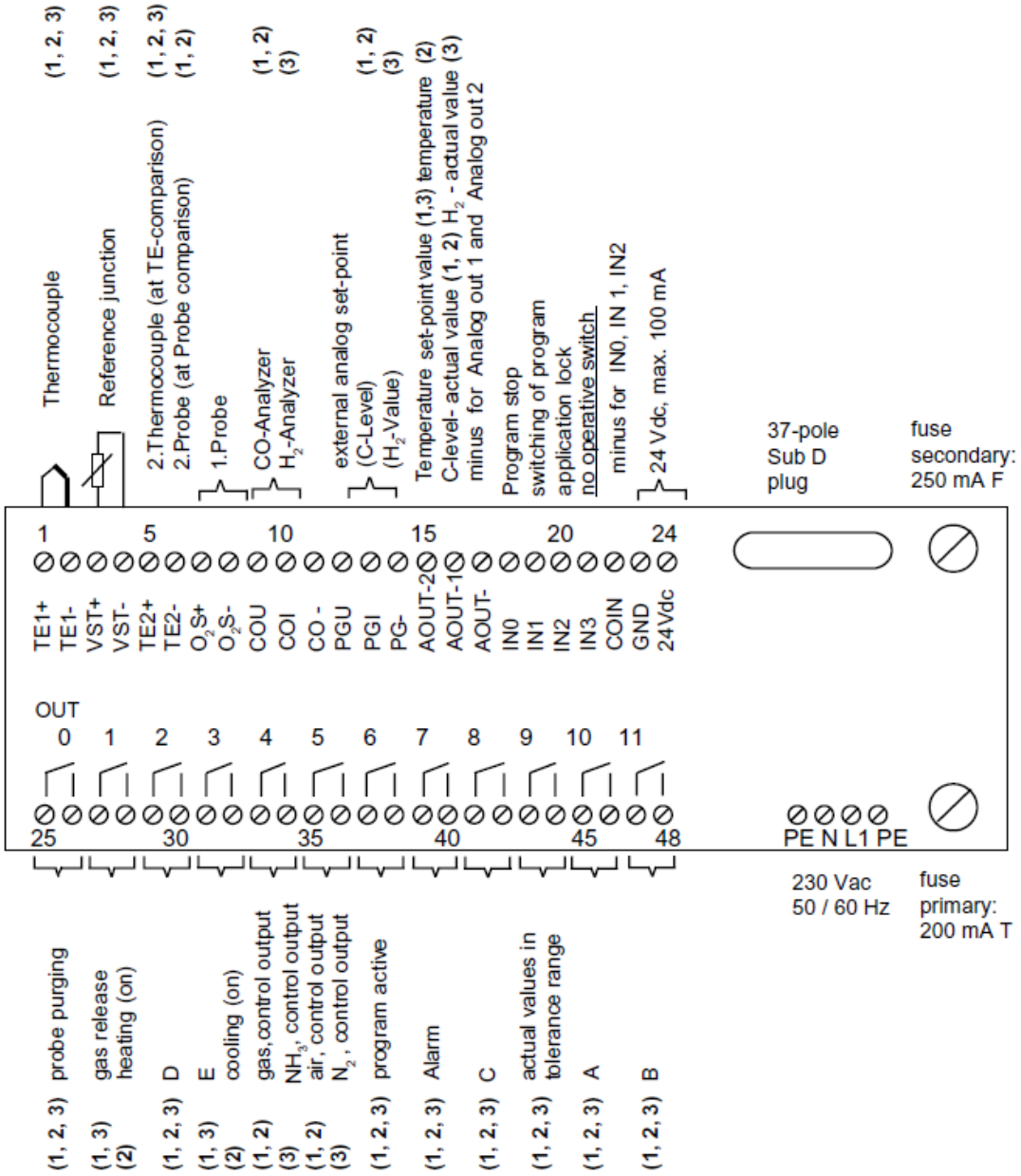
Relbox DB EN v1.1 11-2015

Legend: **1** **Carbomat-M**
2 **Carbo-M**
3 **Nitromat-M**
(no version of nitriding controlling)