

Applications

R600 New Range

In present automatic processes, the control device includes a computer or a PLC linked to the process with a lot of wires connecting to sensors or actuators.

These performing processors in their own activity are environmental interferences and overvoltages much sensitive.

In order to fit voltage/current together with galvanic insulation, interface is necessary through devices providing these functions plus transmission of input/output logic signals.

The R600 range of optocouplers makes it possible. These devices provide many voltage and current adjustments and input/output insulation from 2 to 4 kV.

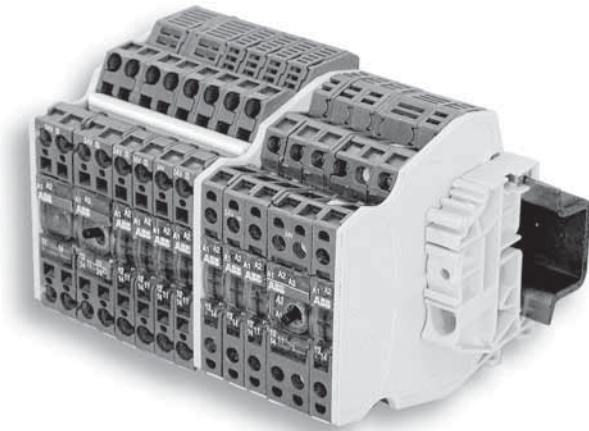
The ABB solution

ABB uses Entelec's know-how for providing a full range of automatic process products.

The new R600 range of relays and optocouplers is the solution for all your applications. It provides a wide panel of relay and optocoupler products with many functions.

Optocoupler range

- Input voltage : from 5 to 250 V AC/DC
- Voltage switching range :
from 5 to 58 V DC,
from 20 to 400 V AC
- Current switching range : from 1 mA to 5 A
- Overvoltage protection



Applications

Easy marking

Box function with markers type RC61. Wire connection with markers type RC65. Electrical schematic of the block on the side of the block.

Type RC610



Type RC65



Functioning Status

Functioning display through a green Led.



Distribution block

Screw clamp or Spring clamp technologies. With protection connected to the rail. For polarity distribution on demand : coils and/or contacts.



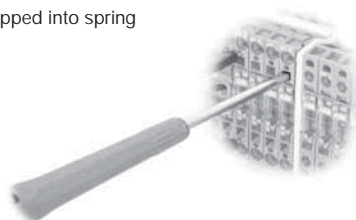
Jumper bar

Same jumper bar for Screw clamp or Spring clamp technologies. Independent of wire clamp and snap on held in place. Use of end sections is required to preserve IP20 protection.



EASY WIRING

DIA. 3,5 mm screwdriver self-gripped into spring

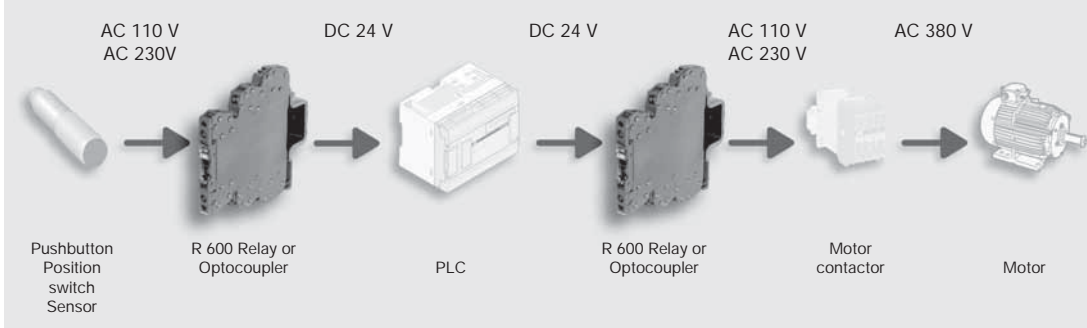


Measurements - Tests

Holes for holding DIA. 2 mm test plugs of the measurement apparatus in position.



ABB provides a full solution from sensor to motor



SAVING

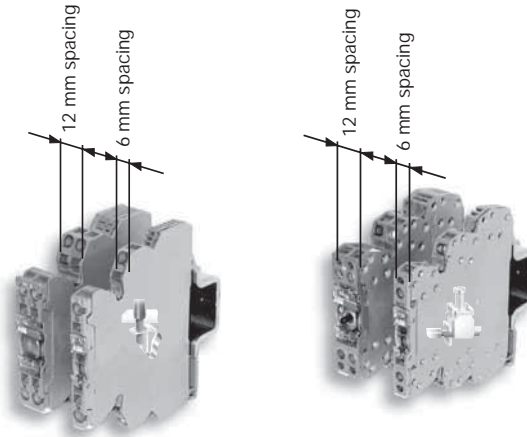
Dimensions

Compact block in «spring clamp» or «screw clamp» versions with 6 mm and 12 mm spacings.

0,2 to 2,5 mm²



0,22 to 4 mm²



SAFETY

Separation and identification of several voltages
Separator end sections.

IP20 protection

No disturbance production
Choice of high quality electronic components to reduce leakage currents (< 50 µA).

Immunity

Accordance to standards :

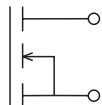
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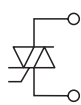
PERFORMANCES



Transistor



MOS



Triac

ADAPTABILITY to any APPLICATION TYPE