

GENERAL CHARACTERISTICS

RB4 has a double coil bistable control circuit.

Two versions are available:

- ❑ **Version A** (Fig. 1). Tripping is controlled by a cold (not energized) contact "S".
- ❑ **Version B** (Fig. 2). Tripping is controlled by one (or more) contact "S" connected to power supply which can eventually control the Breaker's open coil in parallel.
- ❑ Power supply is normally d.c.; versions for a.c. supply are available on request.

SIGNALIZATIONS

The following signalizations are provided on the relay's front face:

- ❑ mechanical flag Red/White (indicating normal/tripped status).
- ❑ Green led indicating power-on and normal status.
- ❑ Red led indicating input trip signal active and relay's tripped status.

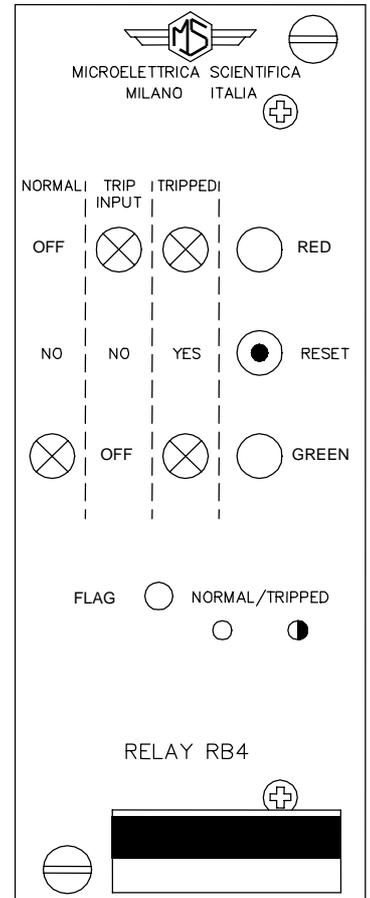
COMMANDS

- ❑ The reset after tripping can be operated by the push button on the front face or by a remote push button connected to the relevant terminals 19-20. For safety, the reset cannot be operated if power supply is off and as long as the trip input signal is present.

OUTPUT RELAYS

One output relay with 4 power change-over contacts (rating 12A, making 80A 1s). The trip time is always less than 15ms even with supply voltage reduced to 80% of its rated value. Reset time is about 30ms

- ❑ Trip time : $\leq 15\text{ms}$
- ❑ Reset time : $\leq 30\text{ms}$



ORDERING DATA

- Relay Type
- Auxiliary Power Supply
- Setting Ranges
- Execution
- Options on Request

OVERALL DIMENSIONS

See Overall Dimensions - 1 Module Relay.

ELECTRICAL CHARACTERISTICS

| | |
|--|-----------------------|
| Admissible fluctuation on supply voltage | : +30%/-20% |
| Continuous power consumption | : < 1VA |
| Pick-up power consumption | : ≤ 15VA |
| Reset power consumption | : ≤ 16VA |
| Auxiliary power supply | : 24-48-110-125V d.c. |
| | : 24-110-220V a.c. |

WIRING DIAGRAM

FIGURE 1 – RB4/A

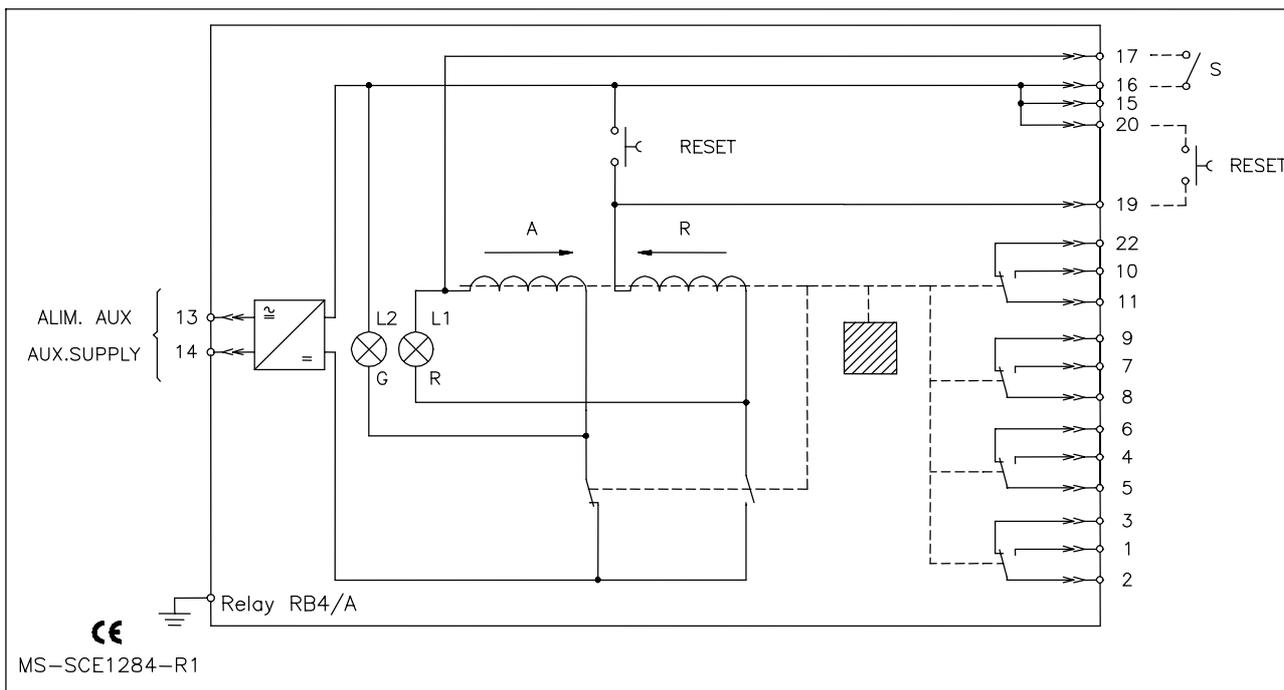


FIGURE 2 – RB4/B

