

# Electrical protection for home outdoor appliances

## Resi9 RCBO



### Customer case

The Johnson family has just bought a nice house with a garden. In the summer, they would like to receive their friends and have barbecues on their terrace and be able to light up with beautiful designer lamps. Therefore, they need to install an electrical outlet outside to connect their equipment. Their electrician will be able to advise them to carry out a suitable installation from their electrical panel.

There's no way they could have an electrical problem with this equipment installed outdoor. Nothing should spoil the party!

### Our recommendation

**The use of dedicated Resi9 RCBO protection will ensure to:**

**Protect people** from earth leakage currents of 30 mA.

**Protect cables** from overcurrent situation and thus, reduce occurrence of house fires.

**Combine** into a compact module an MCB with earth leakage protection function.

**Be adapted** to outdoor electrical circuits feeding barbecue, lights, gardening tools that are exposed to outside conditions such as rain, dust, humidity and that may have damaged isolation protection.

Have **dedicated trip** for this loads in case of issue, and thus avoid unavailability of other devices inside the house (for instance: fridge, freezer, heater).

Protect house with **best-in-class devices** born out of 50 years of Schneider Electric experience.

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### Benefits

**For Mr and Mrs Johnson:**

- **Peace of mind:** protection for themselves and friends against risk of electrocution inherent to outdoor electrical appliances.
- **Comfort:** thanks to dedicated protections for outdoor equipment, avoid non-operational indoor devices in case of tripping.

**For electricians:**

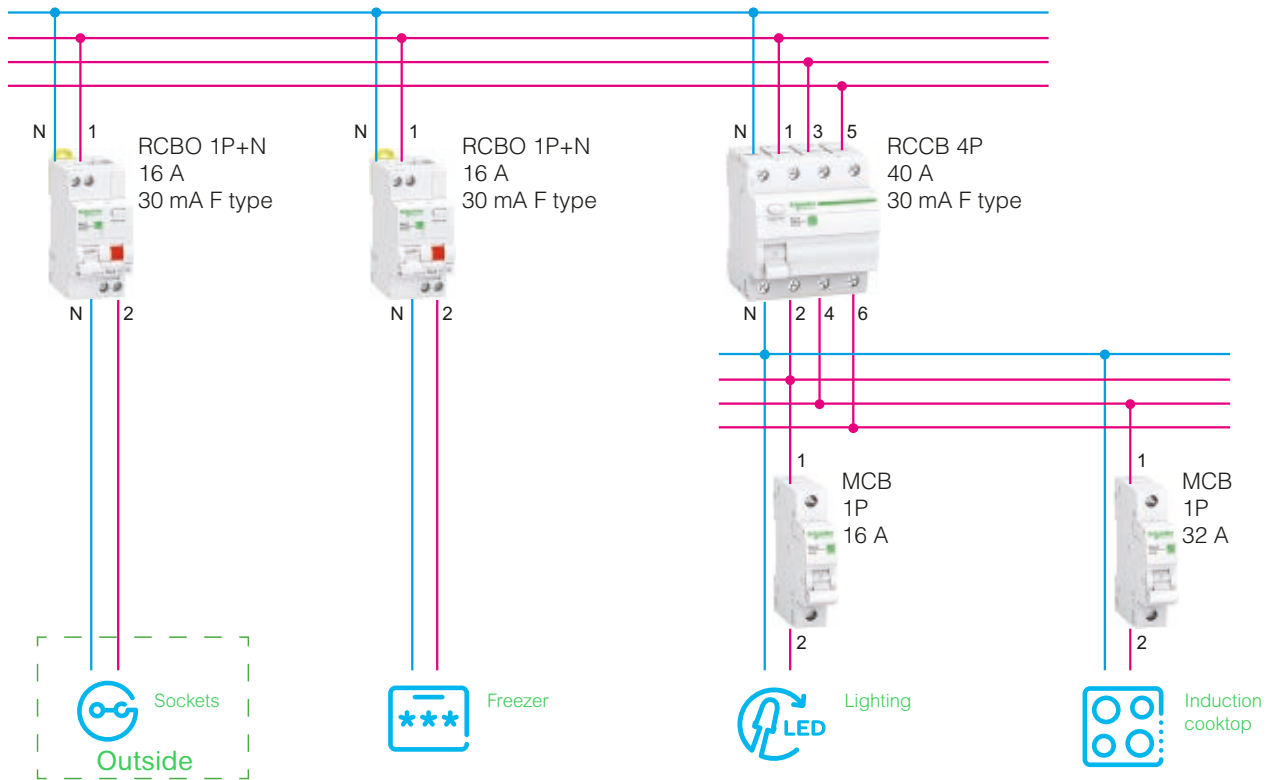
- **Provide protection** and a reliable installation to your customers.
- **Limit phone call back** from dissatisfied customers because of nuisance tripping in non dangerous situation.
- **All-in-one fast to install:** no time to spend for cabling between residual current protection and circuit breaker.

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# Solution Diagram

230/400 V - 50 Hz



## Electrician tips for freezer continuity of service:

- RCBO protection is also recommended as a dedicated feeder for freezer.
- Thus, it will be segregated from the other equipment and will not be impacted by tripping of other loads.

Available products	
Product	Reference
Resi9 RCBO 1P+N 10 A C curve 30 mA A type	R9D21610
Resi9 RCBO 1P+N 13 A C curve 30 mA A type	R9D21613
Resi9 RCBO 1P+N 16 A C curve 30 mA A type	R9D21616
Resi9 RCBO 1P+N 6 A B curve 30 mA A type	R9D01606
Resi9 RCBO 1P+N 10 A B curve 30 mA A type	R9D01610
Resi9 RCBO 1P+N 13 A B curve 30 mA A type	R9D01613
Resi9 RCBO 1P+N 16 A B curve 30 mA A type	R9D01616
Resi9 RCBO 1P+N 20 A B curve 30 mA A type	R9D01620
Resi9 RCBO 1P+N 25 A B curve 30 mA A type	R9D01625
Resi9 RCBO 1P+N 32 A B curve 30 mA A type	R9D01632
Resi9 RCBO 1P+N 40 A B curve 30 mA A type	R9D01640
Resi9 RCBO 1P+N 10 A B curve 30 mA F type	R9D41610
Resi9 RCBO 1P+N 13 A B curve 30 mA F type	R9D41613
Resi9 RCBO 1P+N 16 A B curve 30 mA F type	R9D41616
Resi9 RCBO 1P+N 20 A B curve 30 mA F type	R9D41620

More about Resi9 protection



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