

## 1 Overview of connections, ranges and dimensions



Electrical connections must be carried out by qualified experts in accordance with the guidelines and standards for low-voltage installations and the specifications of the local electricity supply companies.

A plug-in appliance may only be connected to a socket outlet with earthing contact, installed according to specifications. An all-pole mains isolating device with 3 mm contact opening should be provided in the house wiring system. Switches, plug and socket devices, circuit breakers and fusible cut-outs which are accessible after installation and which have all-poles switching are permissible as isolating devices. Effective earthing and separately installed neutral and earth conductors ensure safe and fault-free operation. After installation, live parts and cables with basic insulation must not be accessible. Check old installations.



Electrical connections must be carried out by qualified experts.  
Plan a separate inlet for the electrical connection for each appliance.

### 1.1 General operating conditions



Detailed information on the electrical connection data can be found at the beginning of each section.

| Value     | Nominal value    | Minimum          | Maximum          |
|-----------|------------------|------------------|------------------|
| Voltage   | 230 V            | 207 V            | 253 V            |
| Voltage   | 400 V            | 360 V            | 440 V            |
| Frequency | 50 Hz sinusoidal | 49 Hz sinusoidal | 51 Hz sinusoidal |

- Short duration frequency variation in the mains:  $\pm 5\%$
- Long duration frequency stability in the mains (for synchronous clocks):  $\pm 10$  ppm
- The appliances are designed for use up to a max. altitude of 2000 m above sea level.

### 1.2 Using residual current devices in house wiring system / fault current

High fault currents are inherently present in ovens and hobs. The values can be affected by various factors and vary widely. Fault currents of up to approximately 10 mA per appliance are permissible in accordance with the norm. The values are measured in the warm operating state.

If residual current devices (RCDs) are used in the house wiring system, we recommend that the above-mentioned appliances have their own RCD protection, separate from the power supply for the rest of the system. 30 mA or higher should be selected as the tripping current for the residual current device.

## 1.4 Positions of electrical connections

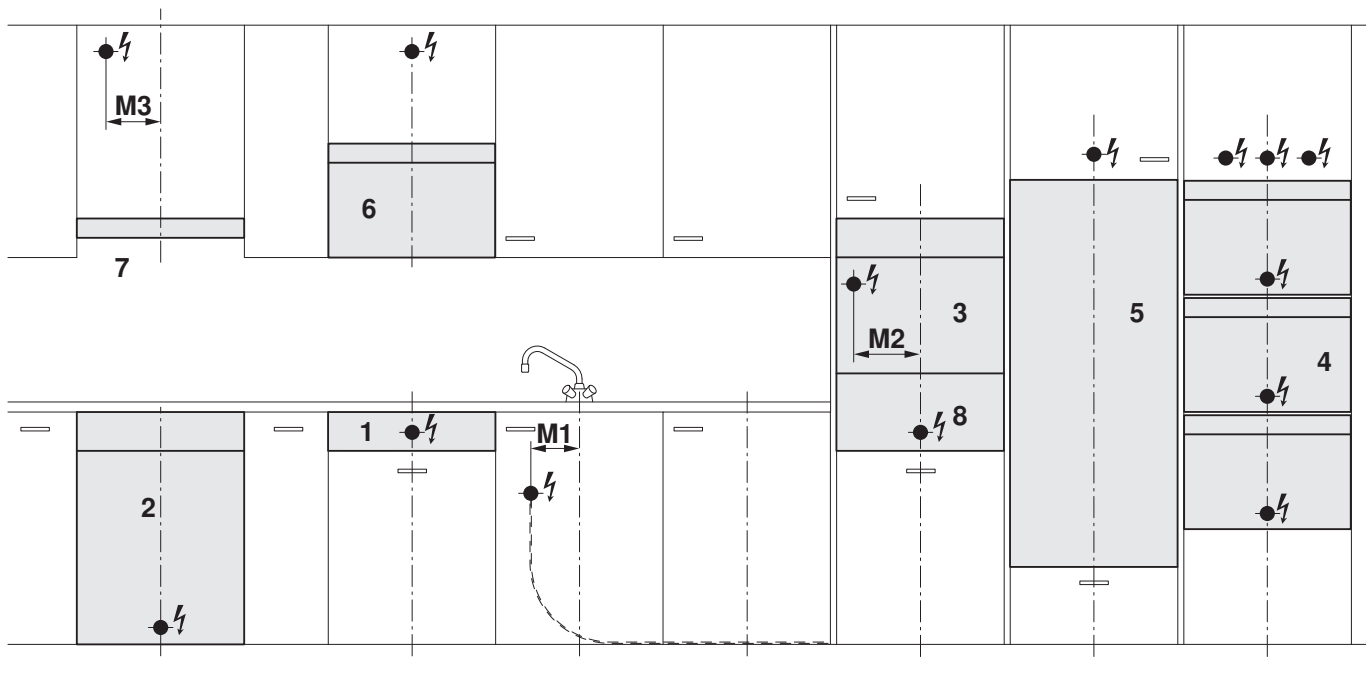
For EURO kitchens, allowance from the floor can vary. In this case, the electrical connection should be calculated using the dimension from the bottom edge of the appliance.

### Oven above an oven

With this combination, an electrical connection should be provided for each appliance. Depending on the installation height and the type of combination, the connections may be located at different heights.

### Wall hoods with telescopic casing

The electrical connection must pass between the exhaust air piping and the lagging sheets. The measurements given in the table ensure that this condition is met.



- 1 Wide switch box / control box / autarchic hob
- 2 Refrigerator in base unit / dishwasher
- 3 Oven/coffee-center
- 4 Combinations (oven / steam cooker / microwave)
- 5 Refrigerator, winecooler in tall unit
- 6 Microwave in a wall unit
- 7 Range hood
- 8 Warming drawer

**M1** Distance from centre to dishwasher/refrigerator connection in base unit

**M2** Distance from centre to coffee-center connection

**M3** Distance from centre to range hood connection



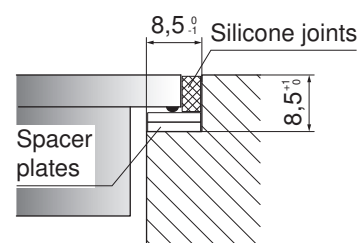
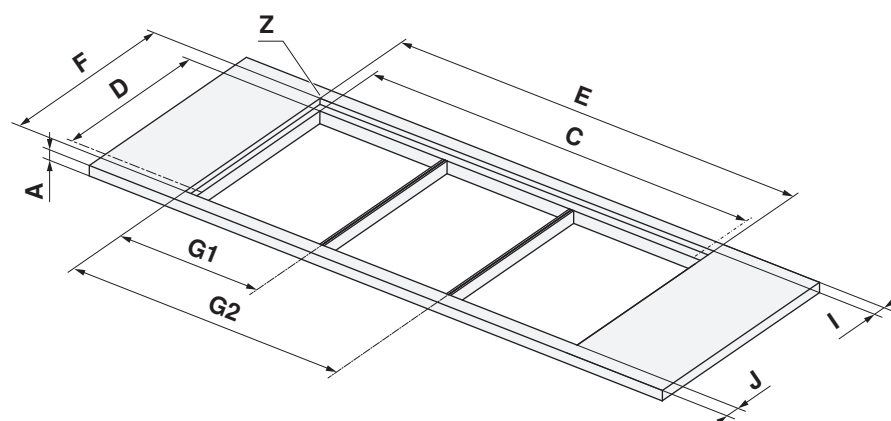
Provide additional clearance for electrical connections if the installation niche has only the minimum depth.

## 10.2 Flush combination

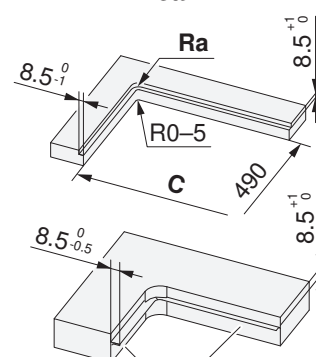
The flush-mounted hob combination is currently possible for all gas hobs, hob hoods and flush-mounted electric hobs with a base plate depth of 501 mm. The intermediate support kit H63789 (contains two intermediate supports) is required.

### Dimensions table for hobs

| Combinations | Cut-out width E | Cut-out width C | Intermediate support position G1 | Intermediate support position G2 |
|--------------|-----------------|-----------------|----------------------------------|----------------------------------|
| 30+30 cm     | 571 mm          | 554 mm          | 285.5 mm                         | -                                |
| 30+40 cm     | 674 mm          | 657 mm          | 285.5 mm                         | -                                |
| 40+40 cm     | 777 mm          | 760 mm          | 388.5 mm                         | -                                |
| 30+30+30 cm  | 855 mm          | 838 mm          | 285.5 mm                         | 569.5 mm                         |
| 30+60 cm     | 861 mm          | 844 mm          | 285.5 mm                         | -                                |
| 40+60 cm     | 964 mm          | 947 mm          | 388.5 mm                         | -                                |
| 30+70 cm     | 981 mm          | 964 mm          | 285.5 mm                         | -                                |
| 30+40+40 cm  | 1061 mm         | 1044 mm         | 285.5 mm                         | 672.5 mm                         |
| 40+70 cm     | 1084 mm         | 1067 mm         | 388.5 mm                         | -                                |
| 40+40+40 cm  | 1164 mm         | 1147 mm         | 388.5 mm                         | 775.5 mm                         |
| 30+90 cm     | 1187 mm         | 1170 mm         | 285.5 mm                         | -                                |
| 30+40+60 cm  | 1248 mm         | 1231 mm         | 285.5 mm                         | 672.5 mm                         |
| 40+90 cm     | 1290 mm         | 1273 mm         | 388.5 mm                         | -                                |
| 40+40+60 cm  | 1351 mm         | 1334 mm         | 385.5 mm                         | 775.5 mm                         |



Detail Z



Steel angle mounted  
with adhesive or screws

|    |          |
|----|----------|
| A  | ≥30 mm   |
| I  | ≥41.5 mm |
| J  | ≥41.5 mm |
| D  | 490±1 mm |
| F  | 507±1 mm |
| Ra | 5 mm     |