

## ER-UP/GH

### Protection areas in bathrooms in accordance with DIN VDE 0100-701

- Distances to be maintained – protection areas in bathrooms in accordance with DIN VDE 0100-701.
- Bathrooms are divided into 3 areas in which different requirements apply to the degree of protection for electrical appliances.

Sector	Permitted voltage	IP-degree of protection for current-using equipment
0	AC 12 V or DC 30 V	IP X7
1	230 V (fans)	IP X5
2	230 V	IP X4, (IP X5 if there is a risk of water jets)

- If water jets occur in area 1 and 2, select units with an IP X5 degree of protection.
- All MAICO ER-/ER EC units have the IP X5 degree of protection.

### Planning / layout according to DIN 1946-6

- With single and central air extraction systems which have building approval for use in accordance with DIN 18017-3, both such systems as well as ventilation systems can be planned and implemented in accordance with DIN 1946-6. Do, however, note the different requirements of the respective standards. In particular, fire protection in accordance with DIN 18017-3 is only permitted if the corresponding requirements of DIN 18017-3 and the ventilation system guidelines are met.