

Safety Instructions





General safety instructions

- ▶ Only qualified electricians who have been authorised by the distribution network operator may install the device.
 - ▶ The relevant safety regulations (e.g. VDE 0100) and the distribution network operator's technical criteria for connection must be taken into account.
 - ▶ For several products the protection class II is only reached after appropriate mounting (e.g. in a sub-distribution unit).
 - ▶ Before connecting or disconnecting a device the power supply must be interrupted. Use appropriate measuring devices to make sure that the power is off. This also applies in case individual devices or system components are exchanged.
 - ▶ Products that have been damaged during transport or installation must not be put into operation.
- ▶ Devices and accessories may only be put into operation if the complete installation complies with the relevant regulations. After installation it should first of all be checked that all cables are firmly fixed to the screw connections before the power is switched on. This applies in particular to terminals with several connections.
 - ▶ In the case of devices whose instructions prescribe a circuit breaker, this must be provided and the maximum permissible rated current must be observed. Depending on the application, the rated current of the circuit breaker may be lower than the maximum permissible value but it must not be exceeded.
 - ▶ Only accessories which comply with the requirements for SELV circuits may be connected to the SELV terminals.
 - ▶ In case a device has several connections for outer conductors, *all* connections for outer conductors must be connected with the same mains phase.

- ▶ The maximum tightening torque of 0.5 Nm applies to the terminals.
 - ▶ Devices whose range of use is limited to altitudes up to 2000 metres above sea level must not be operated above this limit.
 - ▶ The devices are only suitable for use in dry rooms and for normal dirt levels. Condensation must be avoided during storage and operation. Possibly deviating conditions of use for accessories are listed in the technical data.
 - ▶ Devices with a plug-in socket may only be removed from the socket after all supply and load circuits have been disconnected from the power supply.
Caution: If the power is switched on again without the device being mounted, dangerous voltage may persist in accessible parts of the open socket.
 - ▶ A blown fuse may only be replaced by a fuse with an identical rated current and switching capacity (refer to information in the technical data).
- ▶ The products do not contain any components which may be replaced at the place of use - with the only exception of the fuse (if available). In case of a defect the complete, undismantled products have to be sent to our customer service.
 - ▶ Appropriate measures (e.g. wire-end ferrules with plastic collars) must be taken to secure flexible conductors against splicing.



General installation instructions

- ▶ Low-voltage cables should be installed physically separate from SELV cables.
- ▶ Sensor and control signals must never be led through the same cable as power supply or load connections. Separate sensor or control cables should not be laid in parallel to low-voltage cables over long distances.
- ▶ If inductive loads (e.g. contactors) are connected, additional EMC interference suppression measures may have to be taken during installation.
- ▶ Devices mounted on a socket may only be removed if the power is off. The device may be damaged if it is plugged in or extracted under power.
- ▶ Products containing a processor should - in case of malfunction - first of all be disconnected from power (via the circuit breaker). After waiting for about a minute,

the power may be switched on again. This often solves the problem. If this is not the case, please contact our customer service.

- ▶ All sensors take their auxiliary energy from the connected control unit. Connecting a sensor directly to a voltage source destroys the sensor and may endanger persons.
- ▶ Temperature sensors may be checked with an ohmmeter. However, they must not be connected to the control unit during the check. Refer to the technical data or installation instructions for resistance and temperature values for the check.



Environmental notice

This device is labelled in accordance with the Waste Electrical and Electronic Equipment (WEEE) Directive 2012/19/EU. At the end of its service life, this product must not be disposed of with household waste, but must be taken to a collection point for the recycling of electrical and electronic equipment. Please enquire at your city or municipal administration about the possibilities of disposing of the appliance in an environmentally friendly and proper manner.

If a device contains a battery, this will be mentioned in the instructions manual. If the battery needs to be replaced, the empty battery must be disposed of at a suitable disposal point. According to the battery regulation, it is not permitted to dispose of old batteries in the domestic waste.

Disclaimer

The content of the operating and/or installation instructions included with the product and the content of these safety instructions has been assembled with the greatest care and serves for general information. However, it does not replace an individual consultation. Neither does it constitute an explicit or implicit warranty, guarantee or assurance of certain characteristics of the described products or their applicability or suitability for a particular purpose. The manufacturer is only liable for damages which result directly from the use of the above-mentioned documents in case of intent or gross negligence. This also applies to possible damages due to outdated information, incorrectness, incompleteness or inadequate quality of the provided information. Changes in technology or product design may be made at any time without prior notice.

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