



User information/Instructions for use with mounting, operating and maintenance instructions for the product

Designation:	No. of enclosed documents:
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Please note that all enclosed attached or loose documentation supplied with this brochure, such as product data sheets, connection diagrams, mounting, operating and maintenance instructions, certificates of conformity, qualification approvals etc., are a constituent part of these “User information/Instructions for use”.

All these documents contain important information on the correct use of our products, specifications of safety-relevant product data, important safety notes, safety regulations etc. You should therefore read these documents carefully and always adhere to the instructions contained therein!

**These “User information/Instructions for use” must be handed over to the fitter/technician/operator/service personnel!
All documentation is to be kept in a safe place where it can be easily consulted if the need arises!**

If you do not understand the information contained in this brochure or the enclosed documentation, if the number of documents enclosed with this brochure does not correspond to the number specified above, or if you require additional copies of these documents, please contact us without delay:

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It is essential that you read the following data, instructions and prohibitions in the enclosed product data sheets and other documentation:

1. Description of the product
2. Description of the accessories for the product
3. Description of the functions of the product
4. Description of the areas of application of the product
5. Information on the application site of the product
6. Information on the space requirements of the product for mounting, operation and maintenance
7. Information on the admissible ambient factors, such as temperature, pressure, effects of weather etc.
8. Information on energy consumption
9. Information on maximum load-bearing capacity
10. Information on mounting, operation and maintenance of the products
11. The special conditions defined for the admissible use of the product. Special conditions are, for example, defined for:
 - potentially explosive atmospheres: in the Installation, Operating and Maintenance Instructions enclosed with this brochure
 - for environmentally sensitive areas: in the qualification approval (water laws) enclosed with this brochure

If the enclosed product data sheets or any other documents have been lost or are no longer available in the total number stated on the first page of this brochure, or if you cannot find or do not understand the explanations on points 1 - 11, it is essential that you contact us to request the missing documents or to clarify any remaining queries before you install/mount, connect or even start up the product. Otherwise, you run the risk of using the product incorrectly and therefore irresponsibly posing a major safety risk to yourself, other persons or the environment.

Please always observe the following:

- 1. Our equipment may only be installed, connected, started up, serviced and replaced by suitably qualified electrical technicians! It is also essential that you ensure that the electrical technicians in question are additionally qualified for the special application in question (e.g. systems covered by the water laws, potentially explosive atmospheres etc.).**

In case of doubt, the necessary additional qualification of personnel must be clarified by users of our products by contacting the trade supervisory authorities or an equivalent competent body.

- 2. In all cases, the specialist technical personnel must adhere to the electrical safety rules prior to installation/mounting, connection, maintenance or removal of the products:**
 - Ensure that the voltage supply to the unit is switched off!
 - Secure the unit against switch-on!
 - Confirm voltage shutdown!
 - Earth and short-circuit!
 - Cover or seal off neighbouring components which are still supplied with voltage!
 - Install connecting and signalling cables in such a way that inductive and capacitive interferences do not impair the automation functions!
 - Automation devices and their operating elements are to be installed in such a way that they are protected against accidental activation!
 - In the case of 24 volt feed, ensure reliable electrical separation of the extra-low voltage. Only use power supply units manufactured in acc. with EN 61558-2-6 or the replacing standard, respectively! The complete installation must comply with DIN VDE 0100 section 410 or the replacing standard, respectively.
 - EMERGENCY STOP devices in acc. with IEC/EN 60 204-1 (or the replacing standard, respectively) must remain active in all operating modes of the automation device. Unlocking of the EMERGENCY STOP devices must not cause uncontrolled or undefined restart!

- Steps must be taken to ensure that an interrupted program can be correctly continued following voltage dips and failures. No (even short-term) hazardous operating statuses must occur during this process. EMERGENCY STOP is to be forced if necessary!

If these safety rules are not observed, this can lead to serious and even fatal injury and/or severe damage to property and the environment.

3. During their work, the specialist technical personnel must adhere to all valid standards, guidelines and accident prevention regulations whether of international, national or regional origin. In particular, they must adhere to all standards, guidelines and regulations pertaining to safety.
4. Measuring, regulating, monitoring and safety equipment of all kinds – and therefore also including our own – may fail (for whatever reason) or be accidentally activated, resulting in uncontrolled operation. Hazardous events of this kind can lead to serious or fatal injury, major damage to property, and severe damage to the environment.

In line with your particular application, therefore, you must make provisions for an EMERGENCY STOP function, redundant mechanical, electrical or electronic safety devices, or other devices which are independent of your measuring, regulating, monitoring or safety system and which prevent damage in the event of failure of the primary equipment or systems.

5. **Special regulation for the use of floating switches and immersion probes with mounted floating switches:**

If floating switches or immersion probes with mounted floating switches are supplied with a voltage **that is not a safety extra-low voltage (SELV) in accordance with the applicable standards for the application in question, the tank and the liquid must be connected to the corresponding protective earth (PE). In addition, suitable ground fault circuit interrupters (FI) must be integrated in the installation.**

Alternatively, the floating switches or immersion probes with mounted floating switches can be operated using safety extra-low voltage (SELV) in accordance with the applicable standards for the application in question.