



Safety Instructions

HV IEPE3 FL100



General Safety Instructions

Please observe the following safety instructions and signs provided with the measurement modules as well as the safety-specific information in the accompanying technical documentation.

WARNING!



HV IEPE3 FL100 measurement modules are used in high-voltage applications. Improper use of the HV measurement module may result in life-threatening electric shocks.

- ☞ Make sure that these modules are only handled by qualified and trained personnel.
- ☞ Observe safety instructions.

WARNING!



Improper opening of the housing will impair the operational safety of the HV measurement module and bears the risk of life-threatening electric shocks.

- ☞ Do not open the module housing.
- ☞ Do not carry out any mechanical or electrical modifications on the HV measurement module.

- ▶ Make sure that HV IEPE3 FL100 measurement modules are only handled by qualified and trained personnel.
- ▶ Make sure that HV IEPE3 FL100 measurement modules are only operated within an operating temperature range of -40 °C to +85 °C and at a relative humidity of max. 95 % (non-condensing).
- ▶ Only use sensor cables that meet the corresponding requirements for operating HV IEPE3 FL100 measurement modules.
- ▶ To confirm the operational safety of an HV IEPE3 FL100 measurement module, an isolation test in accordance with EN 61010-1:2020 is required at least once per year.

Before Putting High-Voltage Measurement Modules into Operation

- ▶ If it is possible to establish a ground connection (car body or earth), use a sufficiently large wire cross-section to connect an HV IEPE3 FL100 measurement module. This is usually done by using an adequate cable (not included in the scope of delivery). Connect the ground cable to the module housing by using the M6 threaded bore provided for this purpose. Ensure proper grounding before putting the module into operation.
- ▶ Carefully read and consider the entire documentation delivered with an HV IEPE3 FL100 measurement module before initial operation. The operating personnel must be instructed accordingly. Please contact CSM with any additional questions.

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HV_IEPE3_FL100_ECAT_TBM_SI_0100_ENG_Serie 2023-03-16 Page 2/2