

Standards

Enclosures

Enclosure

Enclosure series CDC and SDC are made of galvanized steel sheet and with the performance standards ISO 1461, IEC 61439-1, IEC 61439-5.

- IEC ISO 1461: Inorganic coatings - Hot dip galvanized coatings on fabricated iron and steel articles - Specifications and test methods (ISO 1461:1999).
- IEC 61439: Part 1: Low-voltage switchgear and controlgear assemblies – Part 5: Assemblies for power distribution in public networks.

The enclosures KSIK are powder coated steel enclosures indoors. Environmental Class C1 and C2 according to:

- IEC ISO 12944-2: Paints and varnishes – Corrosion protection of steel structures by painting.
- Part 2: Classification of environmental conditions (ISO 12944-2:1998).

Degree of protection

The degree of protection is IP34D, in accordance with the requirements of IEC 60529, unless otherwise stated under “Technical data”.

Excavation depth

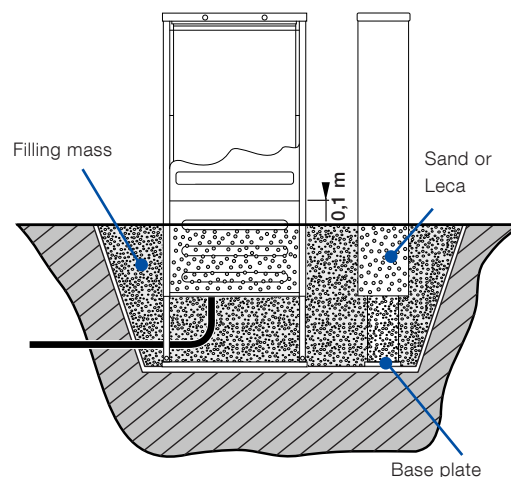
To ensure an attractive and functional installation in the ground, we recommend excavating to a depth at which about 10 cm of the foundation is visible above the restored surface. A marking label indicates the ground level.

Special operating conditions

With this type of installation, consideration must be given to the risk of condensation, dust, vibration and impacts.

All enclosures CDC and SDC have ventilation apertures between the cover plate and the door and between the door and the roof, both on the front and back of the enclosure.

The ability of the enclosure to withstand external blows and impacts has been checked by testing at -50°C in accordance with the requirements for use in an Arctic climate in IEC 61439-5.



To reduce the risk of condensation we recommend filling the foundation with sand, leca and/or using a damp barrier type Cxx-DB above the foundation.