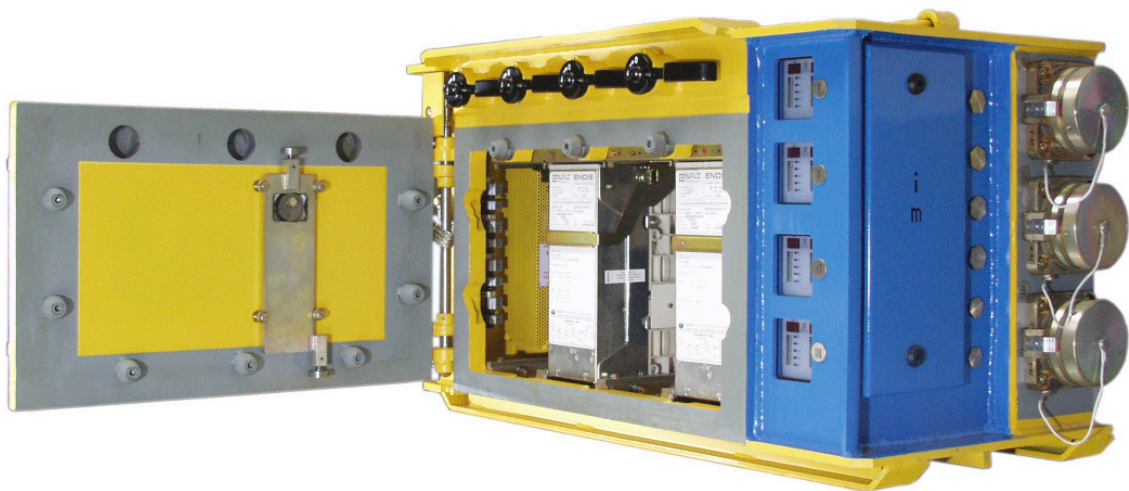


KE 1004

Compact Station 1.1 kV



- Innovative switchgear with modular technology and plug-in connections.
- Four slots can be optionally equipped with lighting, single contactor, or twin contactor plug-in units.
- Each plug-in unit has its own circuit breaker.
- The operating parameters and tripping limit values for the plug-in units are set on the display and control units in the intrinsically safe terminal compartment. The compact station does not have to be opened or shut down for this purpose.
- Simple connection using plug-in-connectors reduces the installation costs. Fast trouble shooting due to modular technology minimises downtimes.

Technical details
KE 1004



Compact

A plug-in connector attached directly to the flameproof enclosure makes it possible to do without voluminous terminal compartments and to offer compact switchgear that also does justice to the term „compact“.

Modular Technology

The plug-in units are ready-for-use units. They are just inserted into the switchgear and activated by the circuit breaker - more is not required. The following unit types can be operated in the KE 1004:

Lighting unit	IMTU
High power contactor unit	HPC 450-1
Contactor unit	CU
Twin contactor unit	TCU
Twin contactor unit, reverseable	TCU-R

Power Bus

The power bus connections on both sides can be switched as supply and terminal leads or as a parallel shunt. If required, the power bus can be separated into two halves and the compact station can be supplied from various power sources.

Circuit breaker

Each plug-in unit has its own circuit breaker. In the disconnected state, the plug-in unit is removed from the power bus and completely electrically decoupled from the switchgear. The quick-acting door cannot be opened until all plug-in units have been disconnected.

Parameterisation

The operating parameters for every plug-in unit are set on the display and control units in the intrinsically safe terminal compartment and permanently stored there. As soon as the plug-in unit is switched on, the values stored there are transferred to it. If a plug-in unit is changed, no new entry of parameters is required.

Control System

The KE 1004 can either be controlled in a parallel manner using contacts or in a serial manner using various interfaces.

Electrical Data

Nominal voltage	1.1 kV AC
Mains frequency	50/60 Hz
Total current	900 A
Current at each outgoing circuit ¹ max.	400 A
Short-circuit resistance	20 kA _{eff}
Surge strength	41 kA

Mechanical Data

Approx. height	620 mm
Approx. width	1,150 mm
Approx. depth	620 mm
Approx. weight, fully equipped	550 kg

Explosion Protection

Type of protection	EEX d [ia/ib] ia/ib m I
Certificate	INERIS 03 ATEX 0257 X

¹ Depends on plug-in unit and plug-in system used.

Technical data are limit values.

If the product is integrated into systems or operated in combination with other devices, its permissible operating values can deviate from these limit values. Subject to technical modifications without prior notice.