



FLAMEPROOF SWITCHGEAR

KE 3004

3.3KV

- Switchgear with power bus technology and plug connections.
- Four module slots for power contactors.
- Every module slot has its own disconnecting and earthing device.
- Parameters for the slide-in modules can be set at the closed compact station during operation.
- Control of the slide-in modules alternatively via contactor various field bus systems.

APPLICATION

Two separate compartments having „d“ flameproof type of protection are combined to a single unit. The power buses of both housings can be supplied from various sources, even with different voltages. The connection can be established either via connecting compartments with cable leads or via plug connectors.

MODULAR TECHNOLOGY

The four module slots of Type 3 can be equipped with one HPC 450-3 power contactor module each.

DISCONNECTING DEVICE

Each slide-in module has its own disconnecting device. When disconnected, the slide-in module is removed from the power bus, the supply contacts in the power bus are insulated, and the leakage contacts are earthed. The quick-acting door cannot be opened until both slide-in modules have been disconnected.

PARAMETERISATION

The operating parameters for every slide-in module are set on the display module in the intrinsically safe connecting compartment and stored permanently there. If a slide-in module is changed, no new entry of parameters is required.

CONTROL SYSTEM

The slide-in modules of the KE 3004 can either be controlled in a parallel manner via contacts or in a serial manner via various field bus adapters.

ELECTRICAL DATA

Insulating class	3.6 kV
Nominal voltage	3.3 kV
Mains frequency	50/60 Hz
Total current	1,000 A
Current at each output	max. 400 A
Short-circuit resistance	16 kA _{eff} _{off}
Surge strength	41 kA

MECHANICAL DATA

Approx. height	790 mm
Approx. width	1,900 mm
Approx. depth	880 mm
Approx. weight, fully equipped	1,100 kg

EXPLOSION PROTECTION

Category	I (M1/M2) M1/M2
Type of protection	EEX d [ia/ib] ia/ib m I
Certificate	INERIS xx ATEX xxxx X

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.