



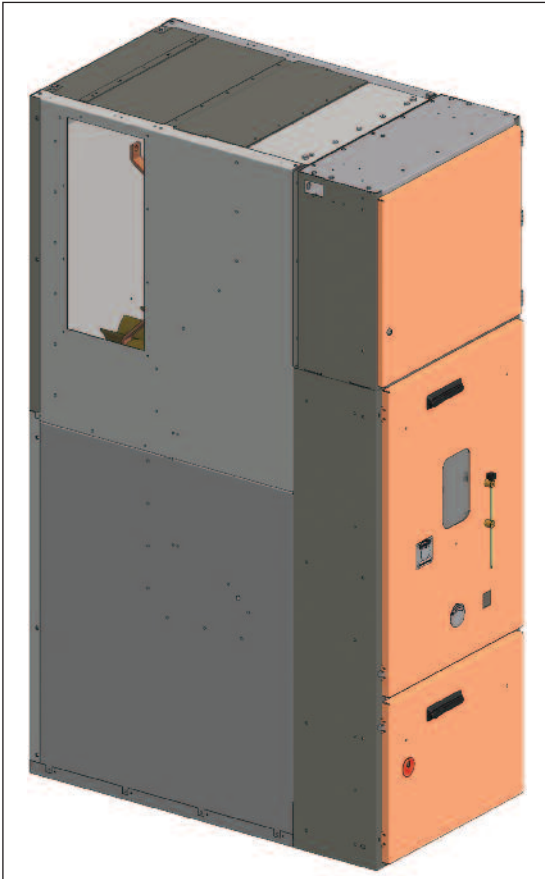
STROM • SICHER • SCHALTEN

DRIESCHER
Medium voltage switchgear
E2K / E3K12-801424

- Indoor
- Compartment design
- Rated voltage 12 kV

DRIESCHER
Moosburg





Short description

- Type tested according to EN 62271-200
- Rated voltage 12 kV
- Rated current up to 1600 A
- Rated short-time current up to 31.5 kA
- Degree of protection IP4X
- 3-compartment design
- Air-insulated
- Minimal expenditure of maintenance
- Simple operation
- LSC2B-PM, IAC A FL 31.5 kA, 1s
- Withdrawable-unit design, without disconnector

General description

These air-insulated medium voltage switchgear of type E3K12-801424 in withdrawable design have been designed to deliver a very reliable yet cost-efficient power supply and operating safety. The withdrawable design enables a visible isolating distance of the circuit-breaker or switch-fuse combination and consequently and disconnector free design of the switchpanel.

Features of the E3K12-801424:

- Switch panel with circuit-breaker or switch-disconnector
- with automatically closing or opening metal shutter in front of the contacts
- optionally with earthing switch and motor-operated mechanism as well as with current and voltage transformers

The panel types can be provided as individual panels or as switchgear where the equipment, order of panels etc. can be determined by the customer.

The metal encapsulated medium-voltage switchgear are designed to meet the demand in networks of municipal utility corporations and supply corporations in industry.

The type-tested switchpanels are in compliance with the requirements of DIN EN 62271-200, protection class IP 4X. The resistance to accidental arcs has been rated up to 31.5 kA; 1s, by a neutral testing institute. The installed switches are designed in compliance with the corresponding switches standards.

Possible fields of application

The type E2K / E3K12-801424 can be used in transformer substations and substations.

Possible applications:

Industry, wind parks, power plants, transformer substations, aluminium- / steel works, electric utility, and more.

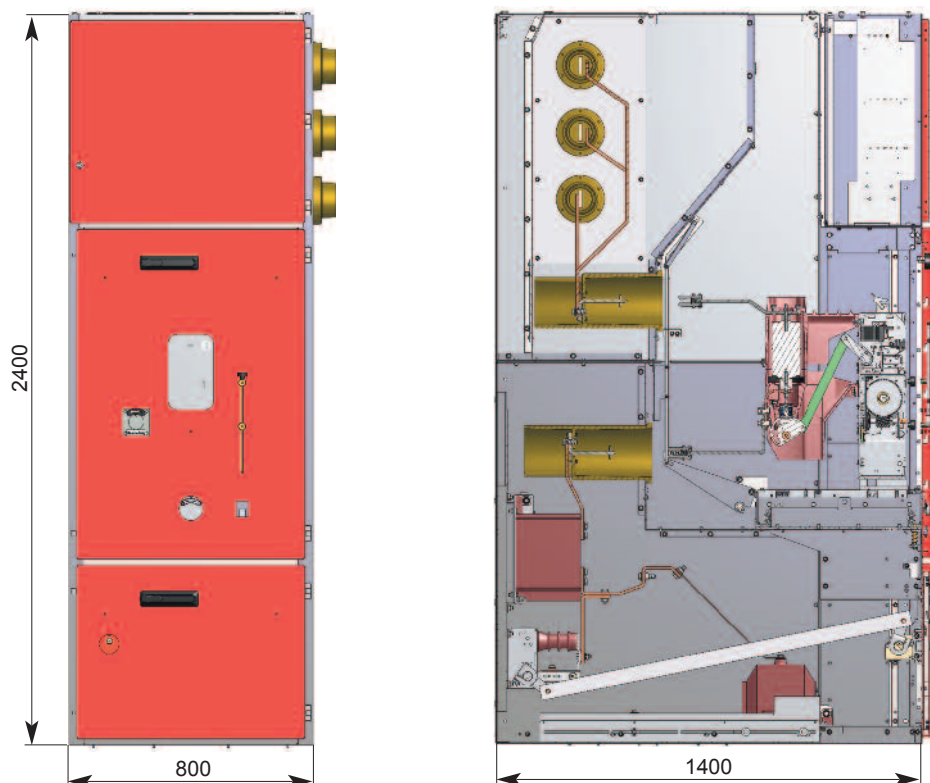
Technical data

E3K12-801424

| | | |
|---|-------|---------|
| • Rated voltage | U_r | 12 kV |
| • Rated frequency | f_r | 50 Hz |
| • Rated operating current, max. | I_r | 1600 A |
| • Rated short-time current, max. | I_k | 31.5 kA |
| • Rated short-circuit time | t_k | 1 s |
| • Rated peak withstand current | I_p | 80 kA |
| • Rated lightning impulse withstand voltage | U_p | 75 kV |
| • Rated power-frequency withstand voltage | U_d | 28 kV |

Switches according to EN 62271-100 and EN 62271-102

Front- and side view



STROM • SICHER • SCHALTEN

Dimensions, weights, diagrams and descriptions in this brochure are non-binding. Subject to change without notice.

Printed on chlorine free bleached paper. For nature's sake.



**Elektrotechnische Werke
Fritz Driescher & Söhne GmbH**
Driescherstr. 3
D-85368 Moosburg
Tel.: +49 8761 681-0
Fax: +49 8761 681-137
E-Mail: infoservice@driescher.de
www.driescher.de

DRIESCHER
Moosburg

