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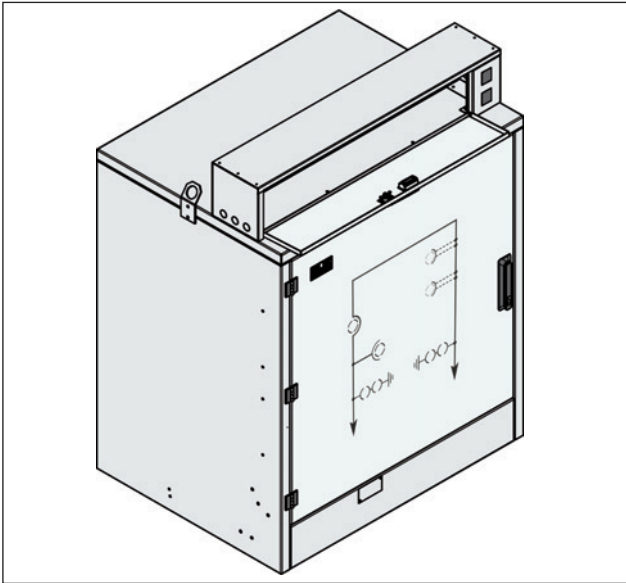
DRIESCHER
Air-insulated Indoor -
Compact measuring panel
W12/24-38,5

- Rated voltage up to 38,5 kV
- Rated current 630 A



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Moosburg • Eisleben





Short description

- Type-tested acc. to EN 62271-200
- Rated voltage up to 38,5 kV
- Rated current 630 A
- Rated short-time current up to 20 kA, 1 s
- Air-insulated
- As option up to 2 station transformers
- Door lookable with profile cylinders
- Compact and reliable
- As option with arc-fault protection limiter ABS
- As option with quick earthing switch system UFES
- As option switchgear with h.v.h.b.c. fuses or switchgear with transformer switch-disconnector M3007 available.

General description

The metal-enclosed, air-insulated medium-voltage compact measuring panel; type W12/24 is used specifically when an extremely high supply reliability must be guaranteed and a high level of personal safety is essential. This panel fulfils the specific requirements of the user in all points and guarantees safe and problem-free use in the energy distribution network.

The switch panel frame is made of a screwed, hot-dip galvanised composite structure. On the front of the panels, there is a single-leaf steel sheet door with mimic diagrams. The door hinge can be on the right or left as desired. The door and the opening of the low-voltage compartments are painted and can be locked with profile cylinders.

Cables to be connected can be fed out at the bottom or at the rear and laid on adjustable beams. Standardised current and voltage transformers can be used in the measuring panel. The measuring panel can also be fitted with the arc-fault limiter ABS® or the quick earthing switch UFEST™. The panel is also available with h.v.h.b.c. fuses or as a compact switchgear with transformer switch-disconnector M3007.

The compact measuring panel is available in the following sizes and versions:

- Type **W12/24** - 1050 mm width, 800 mm depth and 1200 mm height (1400 mm with low voltage compartment).
- Type **W12/38,5** - 1500 mm width, 1000 mm depth and 1400 mm Height.

Equipment variants

- Panel lightning
 - Busbar earthing system with locking ball-pins
 - Capacitive voltage detection system
 - Surge voltage protector (SVP)
 - Short-circuit indicator
 - Increased low voltage compartment
 - Arc-fault protection limiter ABS®
 - Quick earthing switch system UFEST™
 - As option as compact switchgear with transformer switch-disconnector M3007 or
 - as switchgear with h.v.h.b.c. fuses
- (More information on request)*

DRIESCHER **ABS**[®]
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Power and productivity
for a better world™ **ABB**



Fig.: Measuring panel W12/24 with arc-fault protection limiter ABS®

Standards

The air-insulated compact switchgear W12/24 is in compliance with the requirements of EN 62271-200. The switchgear is designed for use under normal operating conditions in compliance with EN 62271-1, protection degree IP 4X. The weight is approx. 400 kg, depending on the weight of the used transformers. The compact switchgear and the switches are in compliance with the requirements of:

EN 62271-1
EN 62271-200
EN 60282-1

Technical data

Type		W12/24	W12/38,5
• Rated voltage	U_r	12/24 kV	38,5 kV
• Rated current	I_r	630 A	630 A
• Rated frequency	f_r	50 Hz	50 Hz
• Rated short-time current	I_k	20 kA	20 kA
• Rated short-circuit duration	t_k	1 s	1 s
• Rated peak withstand current	I_p	50 kA	50 kA
• Rated lightning impuls withstand voltage	U_p	125 kV	180 kV
• Rated power-frequency withstand voltage	U_d	50 kV	80 kV
• Fault arc qualification		IAC AFL 20 kA 1s	
• Degree of protection		IP 4X	IP 4X

Designs / Versions W12/24

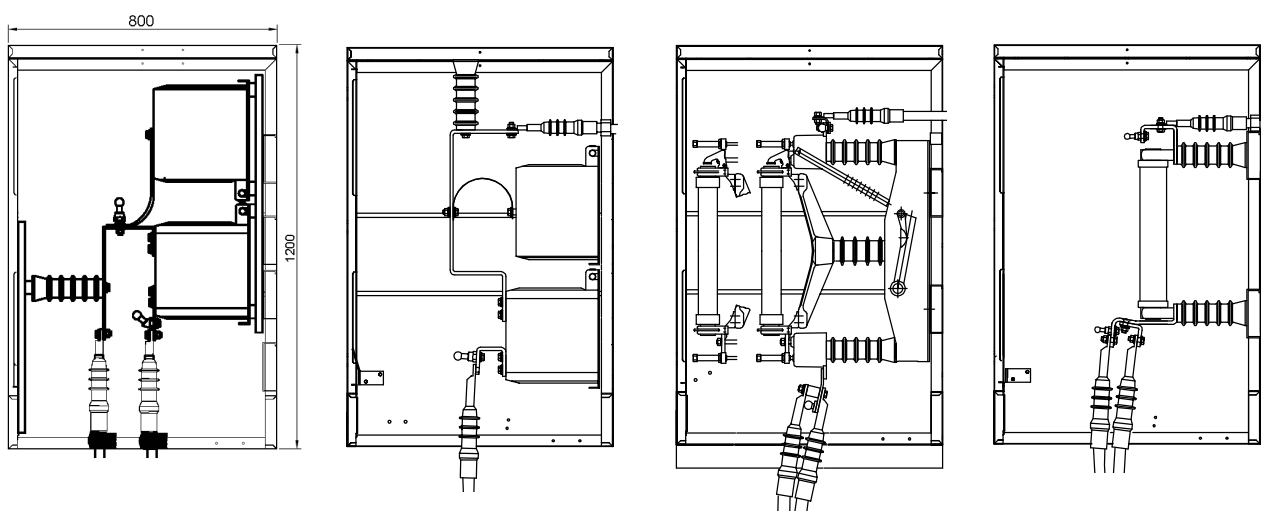


Fig.: Side views - Compact measuring panel W12/24 examples, Switchgear with Transformer switch-disconnector M3007, Switchgear with h.v.h.b.c. fuses

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

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