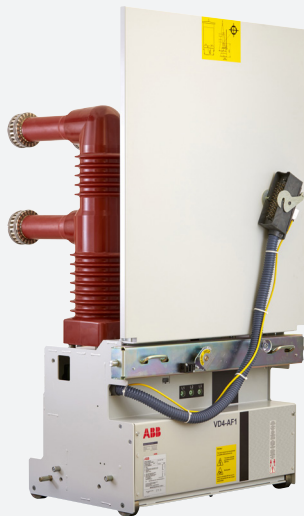


VD4-AF1

Quantum leap in relentless, hassle-free switching for steel industry



VD4-AF1

We are pleased to announce the release of the new solution for enabling true inrush-free transformer switching: new VD4-AF1 vacuum circuit breaker with servomotor actuation and controlled switching technology up to 38kV, 2500A, 31.5kA and up to 150,000 maintenance-free operations.

Target markets

This product addresses the global market. This new release will allow an improved market penetration in transformer switching applications up to 38 kV.

Product family highlights

- Advanced controlled switching technology for elimination of transient disturbances
- Innovative and relentless actuation based on servomotors
- Continuous and accurate synchronization with network voltage thanks to dedicated voltage sensor

Protect your assets

- Enables increased lifespan of transformers by more than 10% in e.g. 3 years
- Overall reduction of hazards due to improved protection set-up, specifically increasing accuracy during switching operation
- Up to 5-to-10-times higher endurance performance than the market standard, including predictive health indication

Maximize your output

- Reduced total cost due to elimination of process downtime for breaker overhaul
- Reduced compensation losses up to 10% while increasing power quality
- Fast and reliable support thanks to ABB's global availability

Optimize your investment

- Elimination of inrush limiting reactors and resistances, leading to significant cost and space savings
- Cost saving by as much as 20%, using same ratings, same interfaces of existing MV substation thanks to optimized footprint equivalent to standard distribution breakers

VD4-AF1

Product characteristics

38 kV – 2500 A - 50/60Hz

Short time current: 82 kA

Short circuit: 31.5 kA

Applicable standards: Type tested according to IEC 62271-100 and to IEC 62271-113

Mechanical endurance: 150.000 CO operations

Installation Indoor enclosures

Product documentation

See product webpage.

Release training webinar

Check the product webpage for the upcoming webinars dates.

Production site

Electrification – Distribution Solutions Division PG 3408 in Italy will act as competence center for the entire community.

Product positioning

Targets are global markets, for end users and their supply channels for opportunities connected to transformer switching and protection applications, such as steel industries within required standards and ratings.

Availability

February 12, 2021.

Delivery time

VD4-AF1 standard delivery time is 8 working weeks.

Contact people

- Your normal sales representative
- Roger Espert, Global Product Marketing
- Manager IDP
- Andrea Ferruccio, Global Product Manager special applications products
- Andreas Brandt, Global Product Manager IDP