

# DNF 7

## MV Metal-Clad Switchgear

Wherever electrical power must be distributed and used with maximum availability and reliability, Schneider Electric has the experience and the know-how to offer you the equipment that best meets your needs.

If you want a convenient product with simple, proven technology, we have the answer in DNF 7. These MV metal-clad switchgear cubicles can be found in 36 kV substations for applications including power generation and distribution, oil and gas refineries and rail networks around the world.



### CUSTOMER BENEFITS

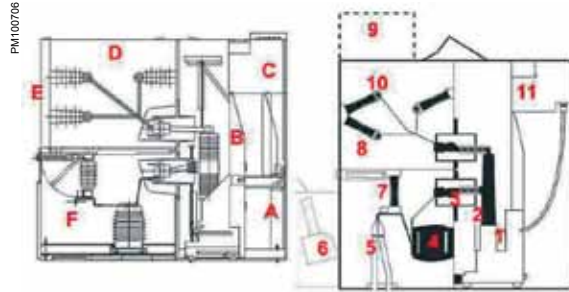
- Proven products for 36 kV applications
- Simple technology, easy to maintain
- Safe, user-friendly operation
- Internal arc fault containment tested
- Easy access for installation and maintenance

### A proven and reliable investment

DNF 7 is an air insulated, metal-clad withdrawable switchgear for 36 kV indoor applications. The withdrawable design gives easy access for installation and maintenance. The metal-clad construction, with automatic shutters and comprehensive interlocking, ensures operator safety at all times.

For the specific requirements of the Chinese market, a 40.5 kV version of the DNF 7 is also available.

DNF 7 meets the requirements of IEC standards for 36 kV and specific national specifications such as GB standards for 40.5 kV equipment. It has passed the internal arc and short circuit withstand current tests complying to the recent IEC 62271-200. It is manufactured in our ISO 9001-2000 and ISO 14001 certified factories.



DNF 7 to GB standards

DNF 7 to IEC standards

- A Sliding device compartment
- B Sliding device
- C Low voltage compartment
- D Busbar compartment
- E Pressure relief device
- F Cable compartment



FP SF6 circuit breaker

- 1 Circuit breaker truck
- 2 Metal shutters
- 3 Resin plug-in spouts
- 4 Current transformers
- 5 MV cables
- 6 Cable VT
- 7 Capacitor dividers
- 8 Earthing switch
- 9 Busbar VT
- 10 Busbars
- 11 LV compartment

**Technical characteristics**

Standards		IEC	GB
Rated voltage	kV	kV	40.5
Rated withstand voltage			
- Lightning impulse 1.2/50 μs	kVp	170	185
- 50 Hz - 1 min.	kV rms	70	95
Rated current	A	2500	2000
Short time withstand 3 s. rms value	kA	31.5	25
Breaking capacity			
- Short circuit current	kA	31.5	25
- Capacitive	A	800	
Degree of protection of the housing		IP3X	
<b>Dimensions</b>			
Width	mm	1300	1300
Height	mm	2250	2420
Depth	mm	2380*	2606

\* + 200 mm for the internal arc version