



ADF-630 (DFW8-12/630) type
Series cable branch cabinet



Asia Electrical Power Equipment (Shenzhen) Co., Ltd
亚洲电力设备（深圳）有限公司

Address: Bldg 28, Lishan Industrial Zone, Xinghai road, Nanshan District, Shenzhen, P.R.China

Tel: +86 755 86061018/86060122/86060136-225 Fax: +86 755 86060133

E-mail: sales@aepe.com.cn sznaiji@hotmail.com webstation: www.aepe.com.cn

General Description

ADF-630(DFW8-12/630) type series cable branch cabinet, an outdoor medium-voltage electrical equipment with the rated voltage of 12kV、24kV and the rated current of 630A, can be used for the cable connection and branching connection the method of which is simple、flexible、safe and reliable. The cabinet crust is made of 2 millimeters of stainless steel plate which is strong and durable. Charged parts are structured with complete insulation and seal. By the adoption of touchable flood-proof cable head, flood-resistance can be realized to greatly advance the power supply reliability. This product is widely used in city industrial districts, residential districts, business centers, mining areas, airports, railroads, wind power station, switching substations and large-scale enterprises like iron, petrol, chemistry, cement industries etc. as well as other distribution net especially for the reform project of electric network of city road. The product is in conformity with the standards of GB3804 -90、GB311.1 -97、GB11033.2 -89、GB4028-93、GB11032-2000.

Specification

No	Item	Unit	Parameters ADF-630 type		
1	Rated Voltage	kV	12	24	
2	Rated current	A	630		
3	Rated frequency	Hz	50/60		
4	1 min Power frequency withstand voltage	Common value	KV	42	50
		Across insulate distance	kV	48	60
5	Lightning impulse withstand voltage	Common value	kV	75	125
		Across insulate distance	kV	85	145
6	Rated short time withstand current 2s	kA	25	20	
7	Rated peak value withstand current	kA	63	50	
8	Second loop power frequency withstand voltage 1min	kV	2		
9	Partial discharge (1.1 times rated voltage)	PC	≤10		
10	Rated current breaking times	Times	100		
11	DC withstand voltage	kV/15min	≤52		
12	Rated cable charging breaking current	A	10		
13	Rated close loop breaking current	A	630		
14	Rated short circuit breaking current	kA	20*		
15	SF6 gas pressure (relative pressure)	Bars	0.45		
16	SF6 gas annual leakage		<0.05%/year		
17	Mechanism lifetime	Times	5000		
18	Case protective degree		IP2x		

Remark: * adopts gas insulated (SF6) vacuum circuit breaker



EK24



Note: The EK24 switch is inside the cabinet.

Service Conditions

- A. Altitude \leq 2500 meters;
- B. Ambient temperature: $-45^{\circ}\text{C} \sim +55^{\circ}\text{C}$, the max. temperature difference $\leq 25^{\circ}\text{C}$;
- C. Away from the places with frequent drastic shake and many years of corrosion.

Test Report

