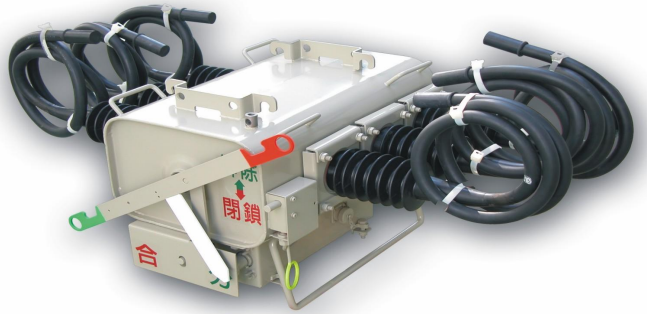


# DNSF6

## Outdoor Post Insulated Load Switch



### Overview

Column installed insulation load switch, type DNPGS-12/24/40.5-20, is suitable for the rated voltage 12/24/40.5kV, rated current 400A, 630A, 50/60Hz power grid open circuit, load current inclosed Power system, over load current. This load switch can separate those broken distribution line automatically.

With the latest technology, it has the newest electronic controller. The switch can be used by manual operation, electric operation and operation from along distance. Electron iccontroller is installed inast a inless steel cabinet which is suitable for using under all kinds of climatic conditions. In addition, there are some wired and wireless modem installed in the cabinet through which it can realize the remote monitoring and control. Simple installation on column is convenient, fast, and also can reduce the construction cost.

### Technical Parameters

No.	Name		Unit	Data		
	Product mode			DNPGS-12	DNPGS-24	DNPGS-40.5
1	Rated voltage		kV	12 6/10/11	24 15/17.5/20	40.5 33/36/40.5
2	Rated frequency		Hz	50/60	50/60	50/60
3	Rated insulation level(The filling SF6 gas 0.07Mpa / 20 ° C)	(Lightning impulse withstand voltage)	relatively	75	125	185
			Fracture	85	145	215
		Power frequency withstand voltage 1min	relatively	42	64	95
			Fracture	50	79	110
4	Insulation level of zero gauge pressure.	Power frequency withstand voltage 1min		30		
		RP-pressure 1min		30		
		The highest phase voltage 5min		9		
5	Rated current		A	630(400)	630(400)	630(400)
6	Rated breaking load current (0.07Mpa / 20 ° C)		A	630(400)	630(400)	630(400)
7	breaking current under zero gauge pressure		A	630(400)	630(400)	630(400)
8	peak withstand current		kA	50	50	50
9	Rated short time making current		kA	50	50	50
11	rated short time withstand current		KA/s	20/4	20/4	20/4
12	rated cable charging breaking current		A	25	25	25

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13	rated line charging breaking current		A	16	16	16
14	rated closed-loop breaking current		A	630(400)	630(400)	630(400)
15	exciting current		A	21	21	21
16	rated current breaking times		Times	≥400	≥400	≥400
17	rated working pressure		MPa	0.05	0.07	0.1
18	Per-phase main circuit resistance		$\mu \Omega$	≤150	≤150	≤150
19	relative gas leakage rate		year	≤1%	≤1%	≤1%
20	SF6 gas moisture content	Factory transfer of value	ppm	≤150	≤150	≤150
		Switch running value	ppm	≤300	≤300	≤300
21	operation of echanical stability		times	6000	6000	6000
22	rated operating voltage and auxiliary circuits rated voltage		V	DC 220/ 110/48/24	DC 220/ 110/48/24	DC 220/ 110/48/24
				AC 220/110	AC 220/110	AC 220/110
23	Weight	Type M	kg	115	125	135
		Type A		135	145	155
24	institutions boxes and controller protection class		IP44 IP54			
25	Type of Mounting		The lifting type (suspended)/block (horizontal)			

## Structure

switch and controller appearance (Model:DNPGS-12/24/40.5)



Connection diagram

# DNSF6 Outdoor Post Insulated Load Switch

Dimensions (mm)				Installation dimensions (mm)	Casing creepage distance (mm)
	A	B	C	Long x width	
12Kv	225	435	500	500×125 (280)	540
24kv	300	435	500	500×125 (280)	750
40.5Kv	350	435	500	700×125 (280)	1050



Figure 1) ceramic bushing - molded cable outlet    Figure 2) rubber split bushing - molded cable outlet

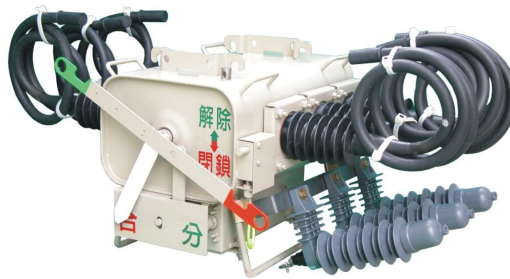
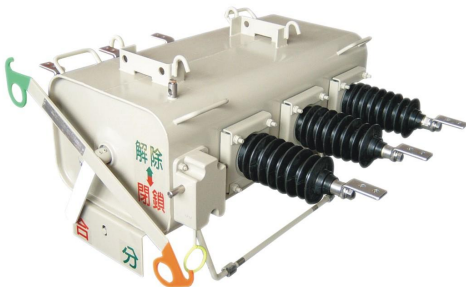


Figure 3) rubber bushing - terminal outlet

Figure 4) with a lightning arrester

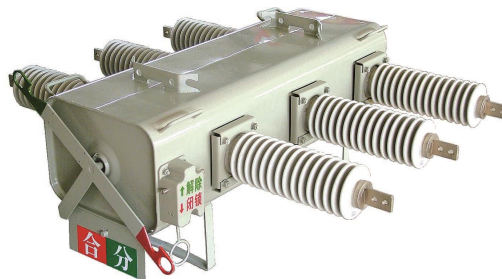
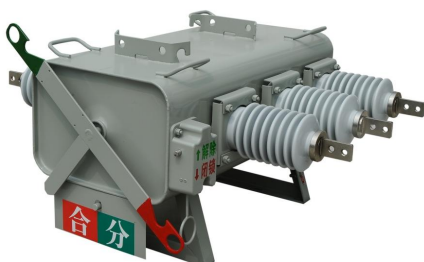


Figure 5) ceramic bushing - terminal outlet