

DNH1G FUSE SWITCH DISCONNECT

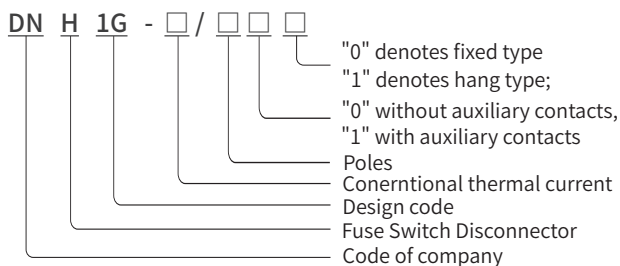


Application scope

DNH1 series fuse-switch-disconnector (hereinafter referred to as switch) is designed for the distribution circuit and electromotor of circuit with high short circuit current, with rated AC voltage 400V and 690V, conventional thermal current up to 630A. It is used as power switch, switch disconnector and emergent switch, and with the function of circuit protection, but not used as a direct open or close single electromotor popularly.

This product is in conformity with standard GB14048.3 (idt IEC60947-3).

Model & Meaning



Normal work conditions and Installation conditions

- ※ Ambient temperature: -5°C~40°C .
- ※ Altitude: shall not exceed 2000m.
- ※ The atmosphere condition: The relative humidity shall not exceed 50% when the environmental temperature is +40°C in installing place; And the relative humidity may be higher at the low temperature condition. Such as when the humidity is 90% when the temperature is +20°C .It shall take some special management to avoid the dew occurs on the product surface due to temperature change.
- ※ Pollution grade: III
- ※ The product shall be installed in the place without remarkable shake, strike and quiver, rain and snow, in the medium without danger of exploding, and in the places without gas and conductive dust, which can make the metal go rust and affect insulation performances.

Other

Structure Characteristic:

The switch is composed of base, cover and arc chute, all these parts are made of arc-resisting plastics, it is whole plastic structure. The static contact is directly installed on the base, the arc chute is easily mounted and dismantled, each arc chute has two parts: inner room and outer room, it adopts multi-pieces of metal arc-blowout grid which increase the arc-blowout capacity and prolong the service life of the contact.

NT type fusing unit is fixed inside the cover, the cover can be rotated along the supporting unit in fan shape, it has a relative big electric isolation distance which can meet the demands of the isolating switch; The cover can be dismantled from the base easily which make the installation and replacement of the fusing unit easy. There are three group of installation holes on the base, which meet the installation requirements of various switchgear cubicle and panel. Auxiliary contact can be mounted at the two side of the switch on demands, it can give out the signal of opening and closing the switch.

DNH1G

FUSE SWITCH DISCONNECT

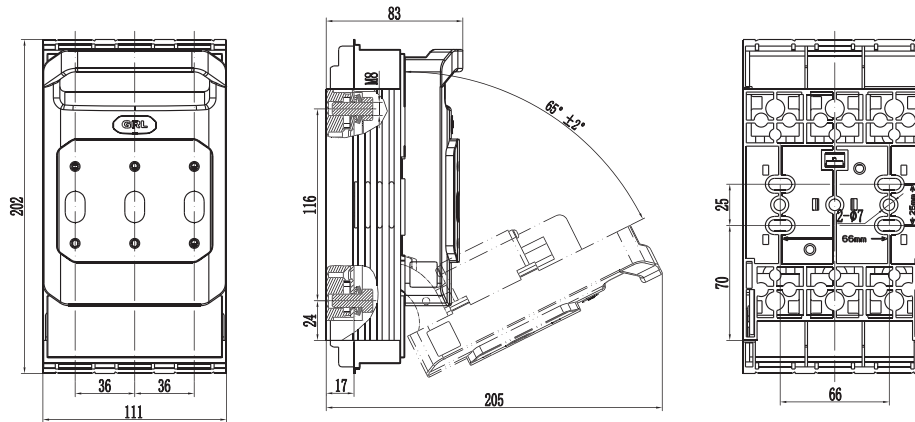
Technical parameters

				DNH1-160		DNH1-250		DNH1-400		DNH1-630			
Electrical parameter	Fuse	Rated Voltage	Ue	V	AC400	AC690	AC400	AC690	AC400	AC690	AC400	AC690	
		Rate Current	Ie	A	160	160	250	250	400	400	630	630	
		Rated insulation voltage	Ui	V	1000	1000	1000	1000	1000	1000	1000	1000	
		Agreed heating current	Ith	A	160	100	250	200	400	315	630	500	
		Rated impulse withstand voltage	Uimp	kV	12	12	12	12	12	12	12	12	
		Rated limiting short-circuit current	Iq	kA	100	50	50	100	100	50	100	50	
		Usage category			AC-23B(AC400)/AC-21B(AC690)								
		Electrical endurance Times		Second	200		200		200		200		
	Copper link	Rated Voltage	Ue	V	AC380		AC380		AC400		AC400		
		Rated Current	Ie	A	160		250		630		630		
		Rated insulation voltage	Ui	V	690		690		1000		1000		
		Agreed heating current	Ith	A	160		250		630		630		
		Rated impulse withstand voltage	Uimp	kV	8		8		12		12		
		Rated limiting short-circuit current	Icw	kA/1s	8		10		15		15		
		Usage category			AC-21B		AC-21B		AC-23B		AC-23B		
		Electrical endurance Times		Second	200		200		200		200		
			Rated frequency		Hz	50\60		50\60		50\60		50\60	
		Poles			3		3		3		3		
Fuse	Size(RT16/NT/NH) IEC 60269-2 GB/T 13539.2			00		1		2		3			
	Working Current	In	A	160	160	250	250	400	400	630	630		
	Power Dissipation	P	W	12	12	18	32	28	45	40	50		
Mechanism	Mechanical endurance		Second	1400		1400		800		800			
Protection	Frontal			On : IP20 \ Off : IP30									
Other	Signal feedback for opening and closing the switch (micro switch)			Can be added		Can be added		Can be added		Can be added			
Working Conditions	Surrounding air temperature		℃	-5 ~ +40									
	Rated working hours			Uninterrupted working system									
	Operation method			Handle operation									
	Installation method			Vertical installation									
	Altitude		m	≤ 2000									
	Installation category			III、 IV									
	Pollution level			3									
	Transportation and storage		℃	-25 ~ +55									

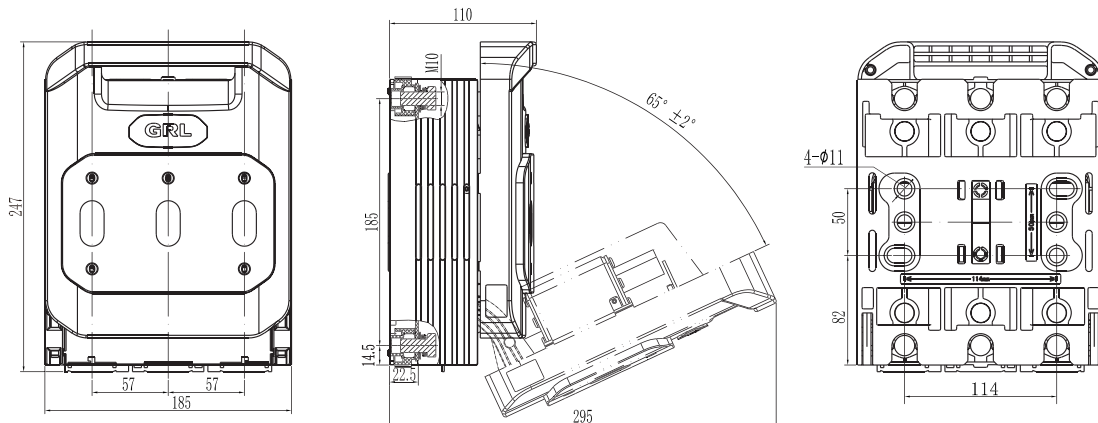
DNH1G FUSE SWITCH DISCONNECT

Appearance and installation dimensions (mm)

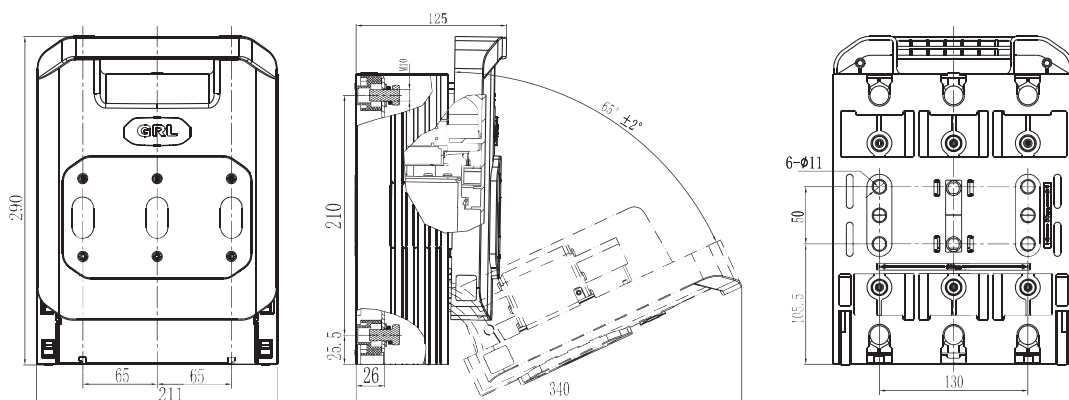
DNH1-160/30G Fixed



DNH1-250/30G Fixed



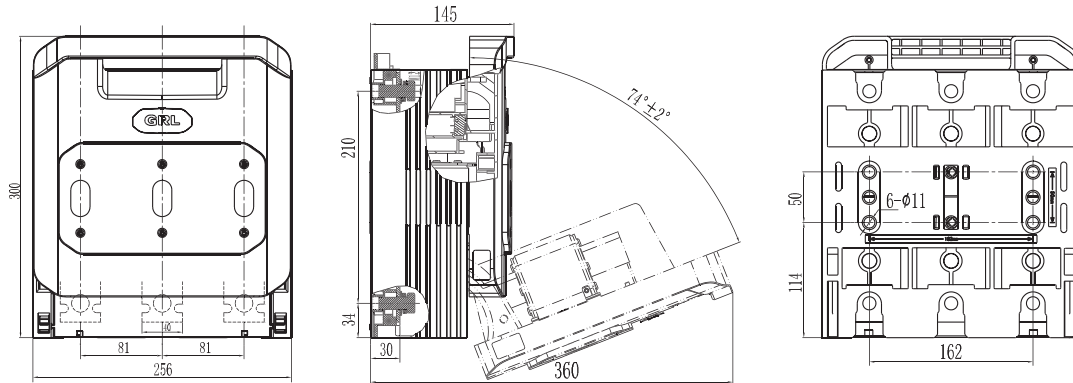
DNH1-400/30G Fixed



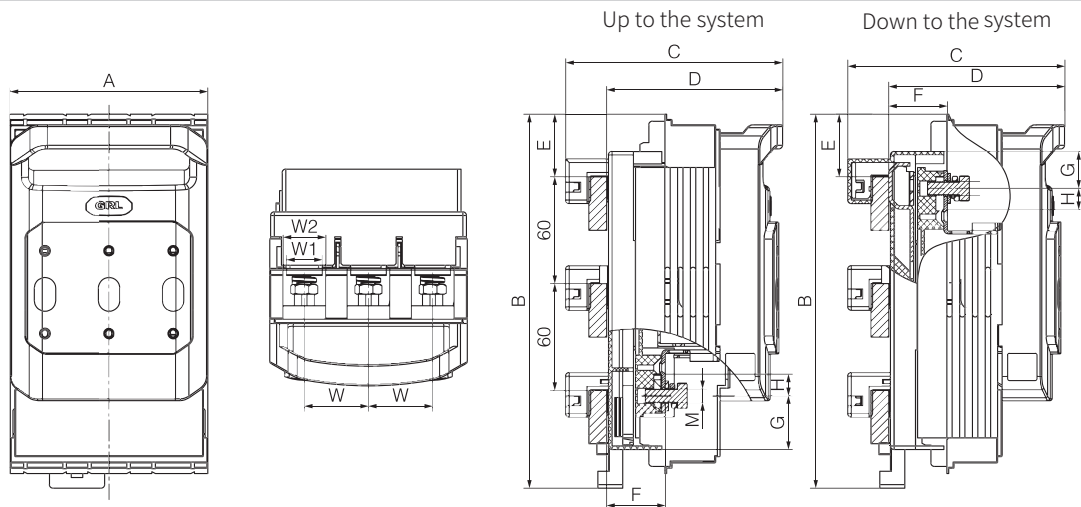
DNH1G

FUSE SWITCH DISCONNECT

DNH1-630/30G Fixed

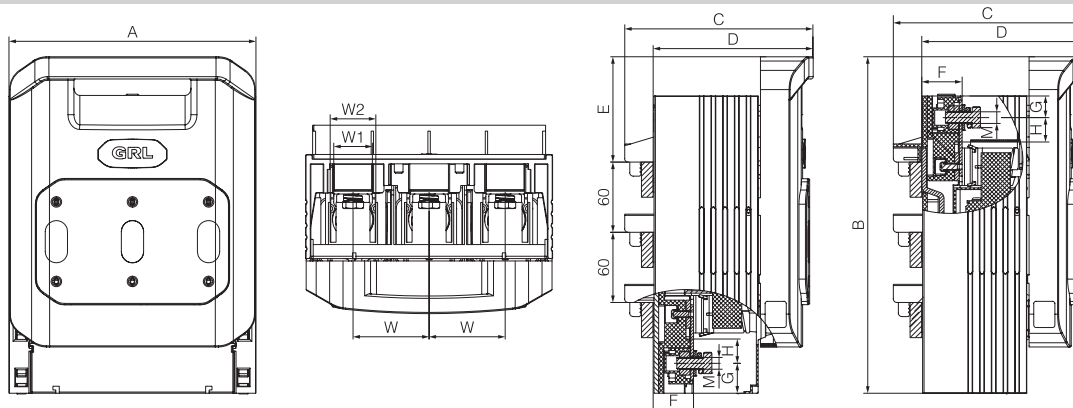


DNH1-160/31G Busbar



A	B	C	D	E	F	G	H	M	W	W1	W2
111	210	122	99	35	33	30 21	12	M8	36	20	24

DNH1-250/31G Busbar

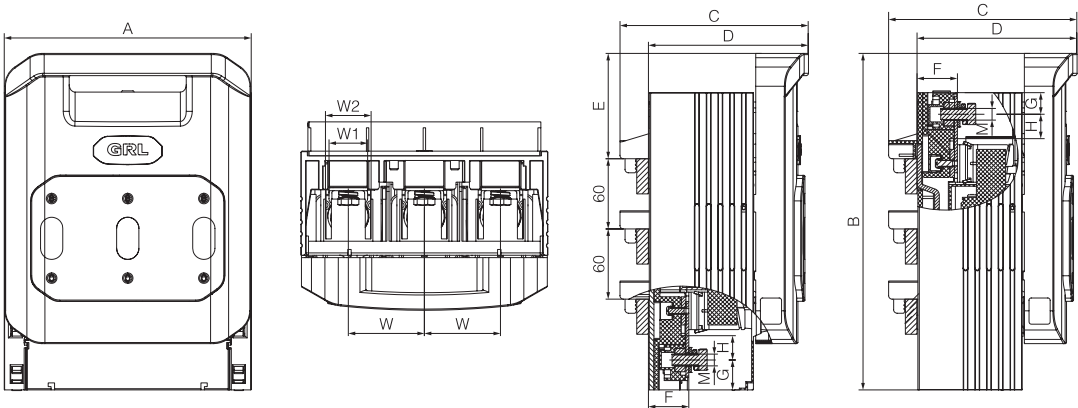


A	B	C	D	E	F	G	H	M	W	W1	W2
185	241	145	120	68	32.5	14.5	16	M10	57	30	40

DNH1G

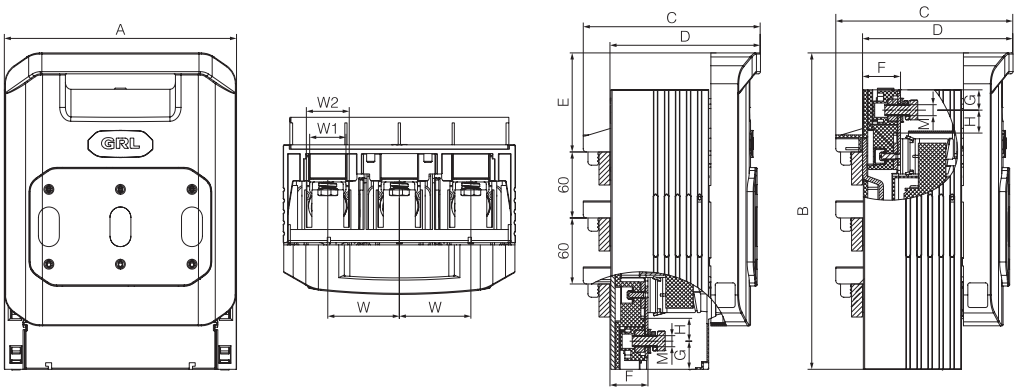
FUSE SWITCH DISCONNECT

DNH1-400/31G Busbar



A	B	C	D	E	F	G	H	M	W	W1	W2
211	288	161	137	73	34.5	25.5	19	M10	65	33	50
						18.5					

DNH1-630/31G Busbar



A	B	C	D	E	F	G	H	M	W	W1	W2
256	313	178	154	90	41.5	37.5	21	M12	81	45	59