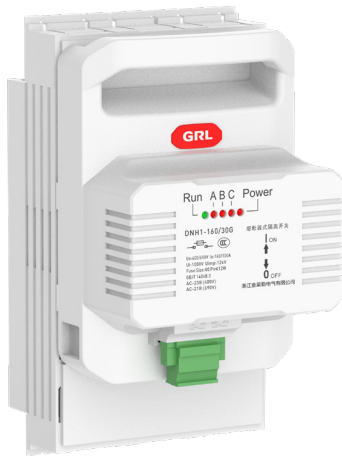


DNH1

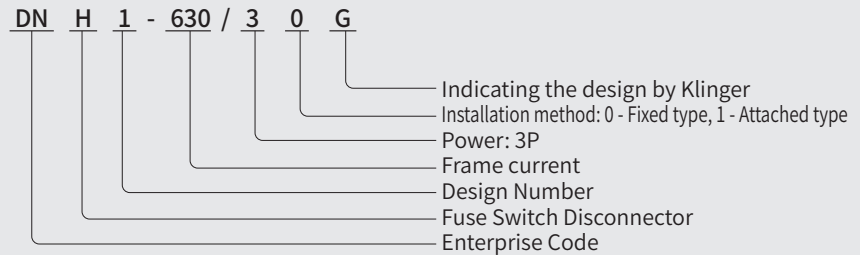
Electronic fuse core monitoring for Fuse Switch Disconnecter



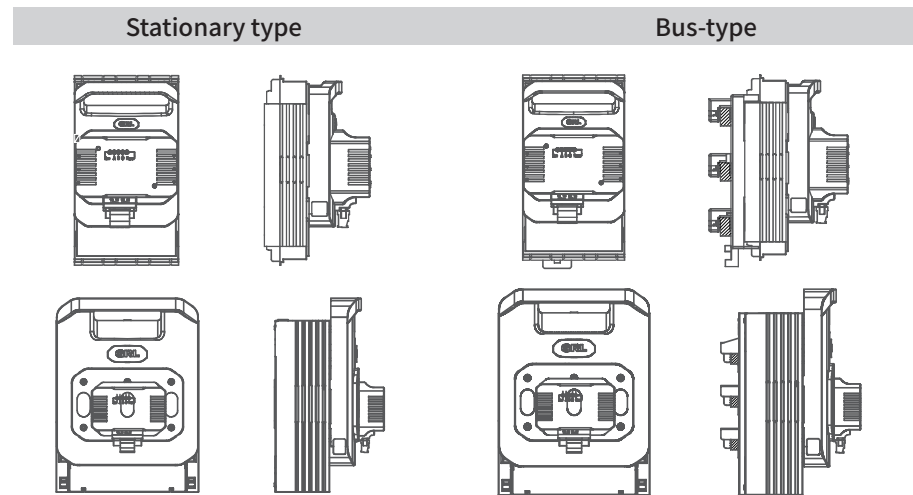
Product brief introduction

Compliant with IEC 60947-3 and IEC 60269-2 standards.

Model and Meaning



Way to install



Main technical parameters

Specification				DNH1-160		DNH1-250		DNH1-400		DNH1-630	
Rated operational voltage		Ue	V	AC 400	AC 690	AC 400	AC 690	AC 400	AC 690	AC 400	AC 690
Rated operational current		Ie	A	160	160	250	250	400	400	630	630
Conventional Thermal Current		Ith	A	160	160	250	250	400	400	630	630
Rated short-circuit current (with fuse)			kA	100	50	100	50	100	50	100	50
Usage category (with fuse)				AC-23B	AC-21B	AC-23B	AC-21B	AC-23B	AC-21B	AC-23B	AC-21B
Nominal insulation voltage		Ui	V	AC 1250	AC 1250	AC 1000	AC 1000	AC 1000	AC 1000	AC 1000	AC 1000
Rated impulse withstand voltage		Uimp	kV	12	12	12	12	12	12	12	12
Rated frequency			Hz	50/60	50/60	50	50	50	50	50	50
Electrical life (number of cycle operations)			times	200	200	200	200	200	200	200	200
Maximum tightening torque			N.m	12	12	20	20	20	20	28	28
Fuse	Executive standard:IEC60269-2 GB/T 13539.2			00	00	1	1	2	2	3	3
	Rated operational current	In	A	160	160	250	250	400	400	630	630
	Power dissipation	Pn	W	≤ 12		≤ 32		≤ 45		≤ 60	
Normal usage, installation and transportation conditions	Ambient air temperature			-5℃ ~+40℃							
	Altitude			≤ 2000m							
	Installation category and pollution level			III、IV				3			
	Transportation and Storage			-25℃ ~+55℃							

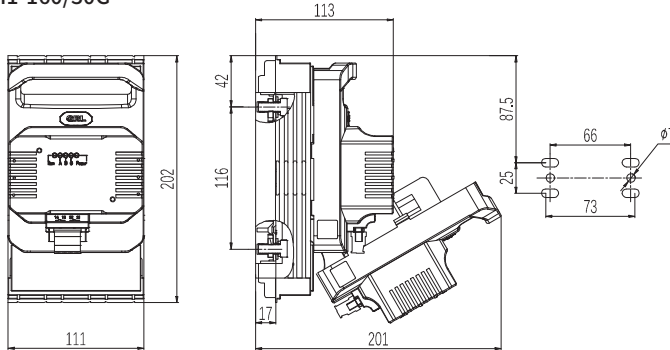
DNH1

Electronic fuse core monitoring for Fuse Switch Disconnecter

Dimensions (mm)

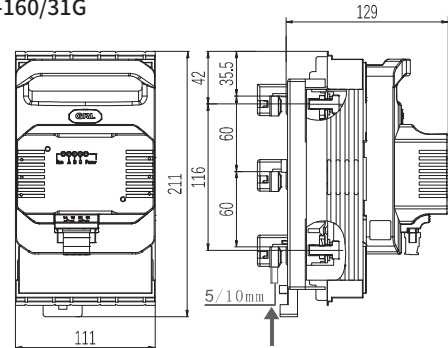
Fixed configuration and installation dimensions

DNH1-160/30G



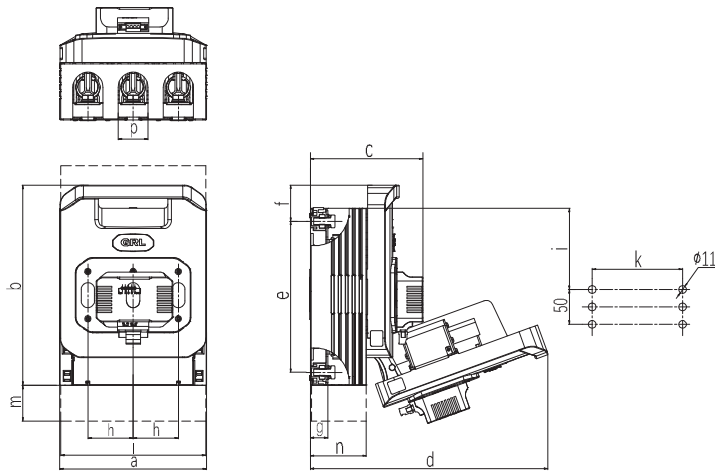
Busbar configuration and installation dimensions

DNH1-160/31G



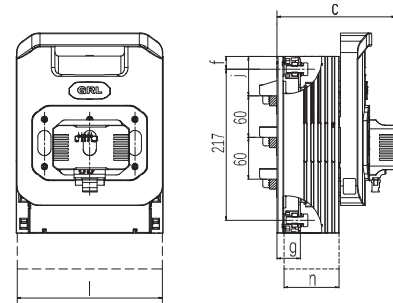
Fixed configuration and installation dimensions

DNH1-250~630/30G



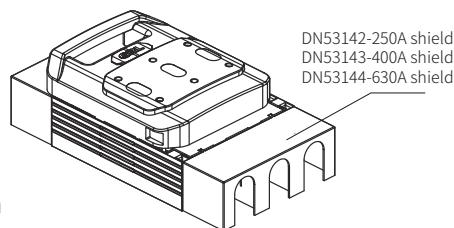
Busbar configuration and installation dimensions

DNH1-250~630/31G



Order number	l	m	n	p	Compatible model
DN53142	183.5	68	65	33	DNH1-250
DN53143	208.5	51.5	79	43	DNH1-400
DN53144	254	48	93.5	43	DNH1-630

Model	a	b	c	d	e	f	g	h	i	j	k
DNH1-250/30G	185	247	145	295	185	42.5	22.5	57	110	/	114
DNH1-250/31G	185	247	155	305	185	42.5	32.5	57	/	67.5	/
DNH1-400/30G	210	288	163	344	210	52	26	65	132	/	130
DNH1-400/31G	210	288	171	353	210	52	34.5	65	/	90	/
DNH1-630/30G	256	304	180	361	211	54	30	81	135	/	162
DNH1-630/31G	256	304	189	370	211	54	39	81	/	90	/



Accessory diagram

DNH1

Fuse Switch Disconnecter

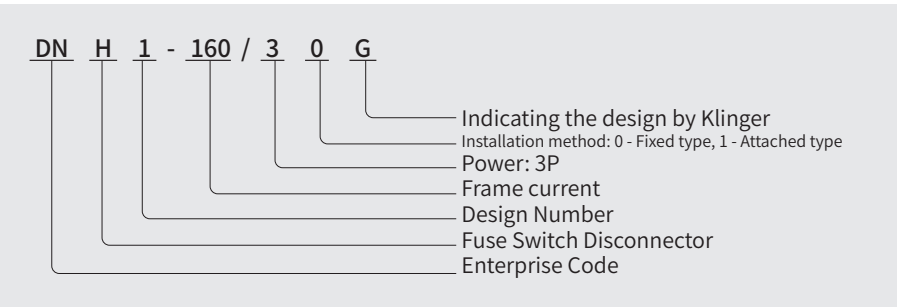
motor fuse monitoring



Product brief introduction

The DNH1-160/30 motor protector is a product developed on the basis of the original DNH1-160/30 Fuse Switch Disconnecter. It combines both automatic motor protection and manual protection functions, has strong breaking capacity and a fast protection response time.

Model and Meaning



Main technical parameters

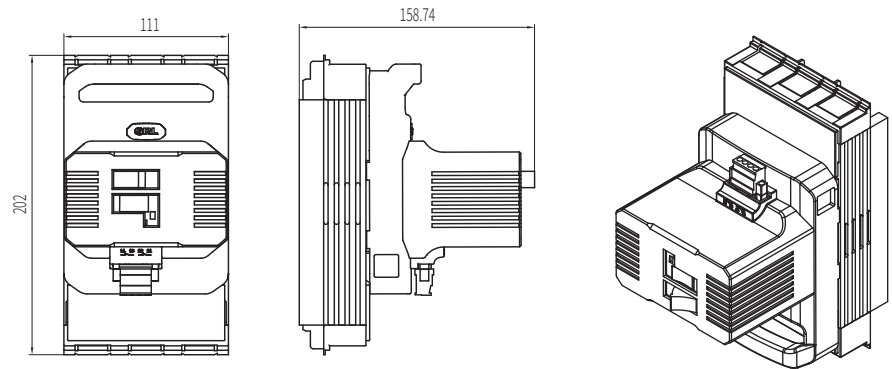
Specification				DNH1-160	
Rated operational voltage	Ue	V		AC 400	AC 690
Rated operational current	Ie	A		160	160
Conventional Thermal Current	Ith	A		160	160
Rated short-circuit current (with fuse)		kA		100	50
Usage category (with fuse)				AC-23B	AC-21B
Nominal insulation voltage	Ui	V		AC 1000	AC 1000
Rated impulse withstand voltage	Uimp	kV		12	12
Rated frequency		Hz		50/60	50/60
Electrical life (number of cycle operations)		times		200	200
Maximum tightening torque		N.m		12	12
Fuse	Executive standard: IEC60269-2 GB/T 13539.2			00	00
	Rated operational current	In	A	160	100
	Power dissipation	Pn	W	≤ 12	≤ 12
Normal usage, installation and transportation conditions	Ambient air temperature			-5°C ~+40°C	
	Altitude			≤ 2000m	
	Installation category and pollution level			3	
	Transportation and Storage			-25°C ~+55°C	

DNH1

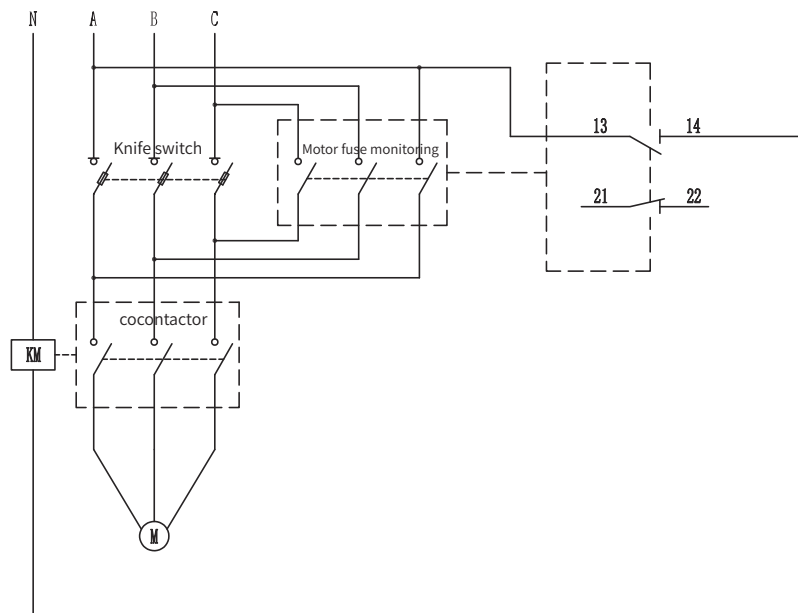
Fuse Switch Disconnecter motor fuse monitoring

Overall dimensions (mm)

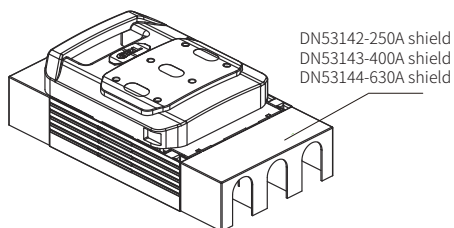
DNH1-160/30G



Example of DNH1 Motor Fuse Monitoring Application Circuit



Accessory diagram



DNH1

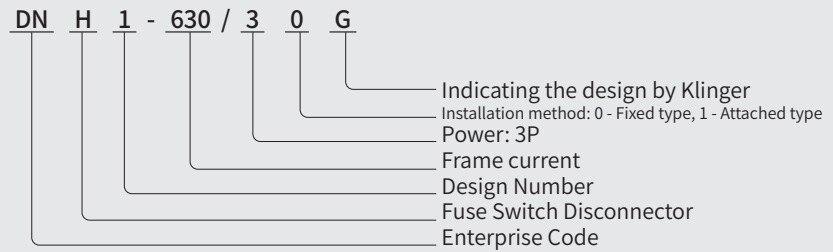
Mechanical fuse core monitoring of Fuse Switch Disconnecter



Product brief introduction

Compliant with IEC 60947-3 and IEC 60269-2 standards.

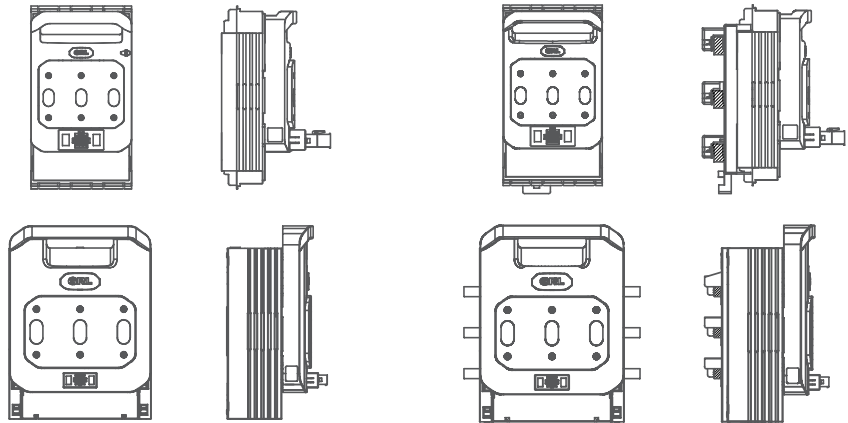
Model and Meaning



Way to install

Stationary type

Bus-type



Main technical parameters

Specification			DNH1-160		DNH1-250		DNH1-400		DNH1-630		
Rated operational voltage	Ue	V	AC 400	AC 690	AC 400	AC 690	AC 400	AC 690	AC 400	AC 690	
Rated operational current	Ie	A	160	160	250	250	400	400	630	630	
Conventional Thermal Current	Ith	A	160	160	250	250	400	400	630	630	
Rated short-circuit current (with fuse)		kA	100	50	100	50	100	50	100	50	
Usage category (with fuse)			AC-23B	AC-21B	AC-23B	AC-21B	AC-23B	AC-21B	AC-23B	AC-21B	
Nominal insulation voltage	Ui	V	AC 1250	AC 1250	AC 1000	AC 1000	AC 1000	AC 1000	AC 1000	AC 1000	
Rated impulse withstand voltage	Uimp	kV	12	12	12	12	12	12	12	12	
Rated frequency		Hz	50/60	50/60	50	50	50	50	50	50	
Electrical life (number of cycle operations)		times	200	200	200	200	200	200	200	200	
Maximum tightening torque		N.m	12	12	20	20	20	20	28	28	
Fuse	Executive standard:IEC60269-2 GB/T 13539.2		00	00	1	1	2	2	3	3	
	Rated operational current	In	A	160	160	250	250	400	400	630	630
	Power dissipation	Pn	W	≤ 12		≤ 32		≤ 45		≤ 60	
Normal usage, installation and transportation conditions	Ambient air temperature		-5℃ ~+40℃								
	Altitude		≤ 2000m								
	Installation category and pollution level		III、IV				3				
	Transportation and Storage		-25℃ ~+55℃								

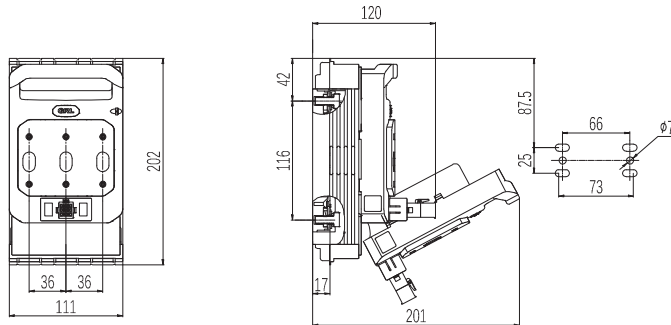
DNH1

Mechanical fuse core monitoring of Fuse Switch Disconnecter

Overall dimensions (mm)

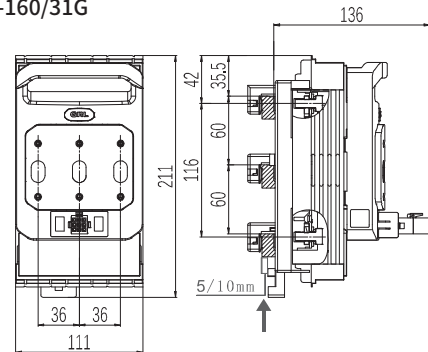
Fixed configuration and installation dimensions

DNH1-160/30G



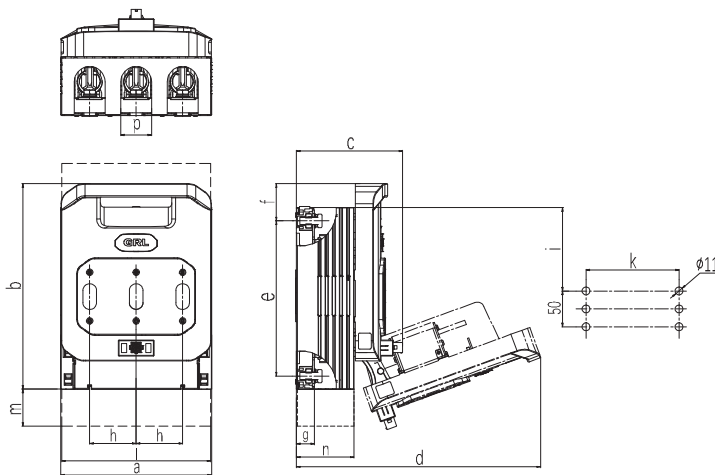
Busbar configuration and installation dimensions

DNH1-160/31G



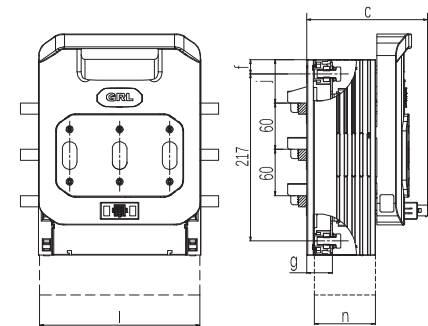
Fixed configuration and installation dimensions

DNH1-250~630/30G



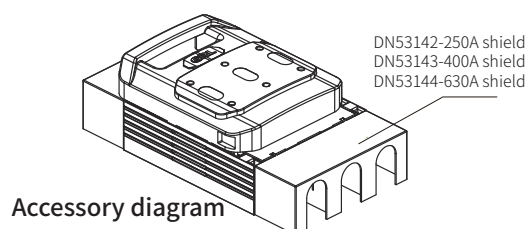
Busbar configuration and installation dimensions

DNH1-250~630/31G



order number	l	m	n	p	Compatible model
DN53142	183.5	68	65	33	DNH1-250
DN53143	208.5	51.5	79	43	DNH1-400
DN53144	254	48	93.5	43	DNH1-630

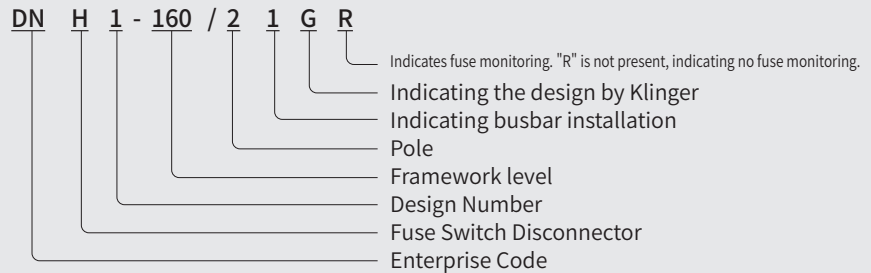
Model	a	b	c	d	e	f	g	h	i	j	k
DNH1-250/30G	185	247	131	295	185	42.5	22.5	57	110	/	114
DNH1-250/31G	185	247	141	305	185	42.5	32.5	57	/	67.5	/
DNH1-400/30G	210	288	149	344	210	52	26	65	132	/	130
DNH1-400/31G	210	288	157	353	210	52	34.5	65	/	90	/
DNH1-630/30G	256	304	166	361	211	54	30	81	135	/	162
DNH1-630/31G	256	304	175	370	211	54	39	81	/	90	/



DNH1-160/21G(21GR) DNH1-250/21G(21GR) Fuse Switch Disconnecter



Model and Meaning



Main technical parameters

specification		DNH1-160		DNH1-250	
Rated operating voltage Ue		AC 400V	AC 690V	AC 400V	AC 690V
Rated operating current Ie		160A	160A	250A	250A
Conventional Thermal Current Ith		160A	160A	250A	250A
Rated short-circuit current (with fuse) kA		100	50	100	50
Usage category (with fuse)		AC-23B	AC-23B	AC-23B	AC-23B
Rated insulation voltage Ui		AC 1000V	AC 1000V	AC 1000V	AC 1000V
Rated impulse withstand voltage Uimp		12kV	12kV	12kV	12kV
Rated frequency Hz		50/60	50/60	50/60	50/60
Electrical life (number of cycle operations) times		200	200	200	200
Maximum Torque N.m		20	20	30	30
product certification		CCC、CE			
Fuse	executive standard:IEC60269-2/ GB/T 13539.2	00	00	1	1
	Rated operating current In	160A	160A	250A	250A
	Power consumption Pn	≤ 12W	≤ 12W	≤ 32W	≤ 32W
Normal usage, installation and transportation conditions	Ambient air temperature	-5℃ ~+ 40℃			
	Altitude	≤ 2000m			
	Installation category and pollution level	III、IV		3	
	Transportation and Storage	-25℃ ~+ 55℃			

product types choosing

DNH1-160/21G(21GR)

serial number	model	Up to the system	Down to the system	Contact 1	Contact 2	Order number
1	DNH1-160/21G	▲				DN31026
2		▲		▲		DN31036
3		▲			▲	DN31038
4			▲			DN31046
5			▲	▲		DN31056
6			▲		▲	DN31058
7	DNH1-160/21GR	▲				DN31027
8		▲		▲		DN31037
9		▲			▲	DN31039
10			▲			DN31047
11			▲	▲		DN31057
12			▲		▲	DN31059

DNH1-250/21G(21GR)

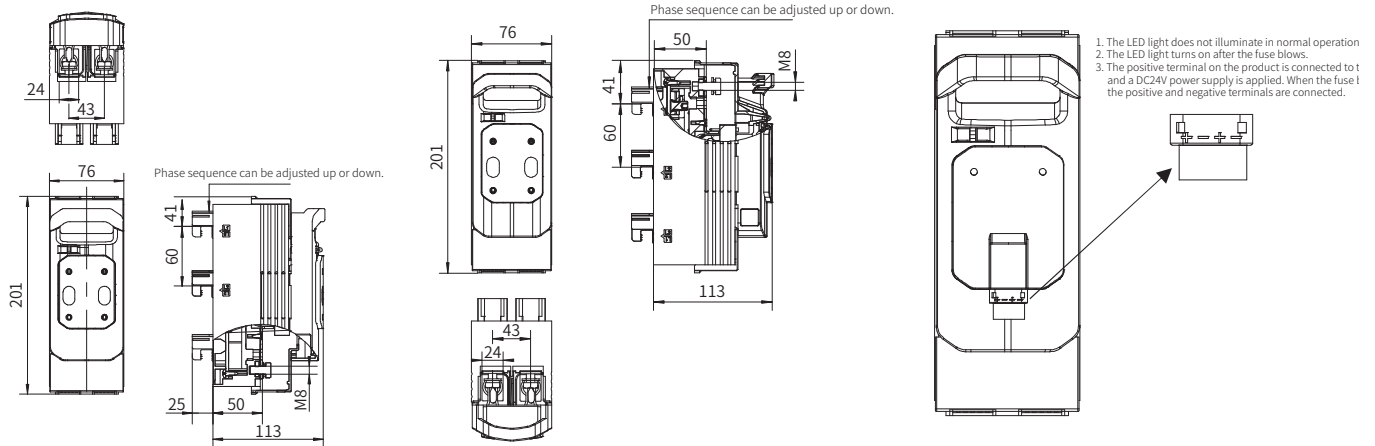
serial number	model	Up to the system	Down to the system	Contact 1	Contact 2	Order number
1	DNH1-250/21G	▲				DN31136
2		▲		▲		DN31146
3		▲			▲	DN31158
4			▲			DN31166
5			▲	▲		DN31176
6			▲		▲	DN31186
7	DNH1-250/21GR	▲				DN31137
8		▲		▲		DN31147
9		▲			▲	DN31159
10			▲			DN31167
11			▲	▲		DN31177
12			▲		▲	DN31187

DNH1-160/21G(21GR)
DNH1-250/21G(21GR)
Fuse Switch Disconnect

160A up to the system

160A down to the system

Fusion monitoring



250A up to the system

250A down to the system

