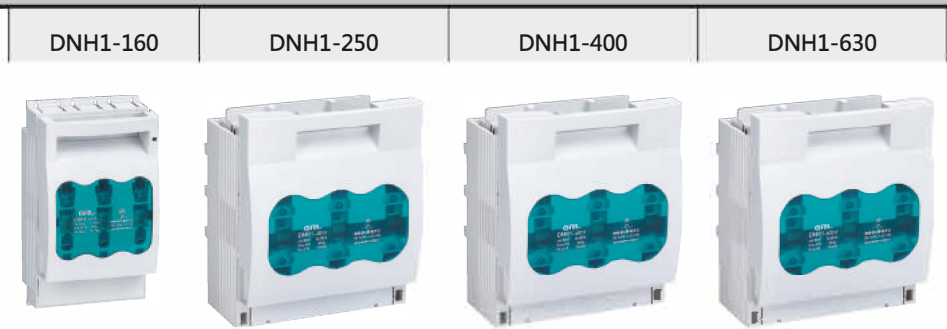


DNH1

Fuse Switch

Disconnecter



Product Overview

DNH1 series fuse switch disconnectors with load operation is applied to rated current 40A–630A, could be mounted on the bus, and could also be mounted to the mounting plate. Having the

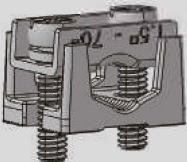
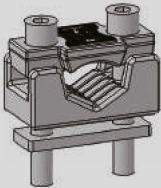
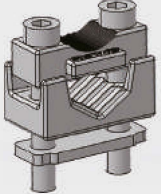
upper and lower end of the input and output structure with blade introduced and arc extinguish device. Switch with occasional closed test holes in cover, built-in signal switching, detection switch, optional fuse monitors and also do the isolating switch use.

Model & Meaning

For example : **DNH1- 160/301**

DN	H	1	□ /	□	□	□
↓	↓	↓	↓	↓	↓	↓
Code of company	Fuse Switch Disconnecter	Design Code	Conventional Thermal Current	Number of poles	"1" means hang type "0" means fixed type	"1" means with auxiliary contacts "0" means without auxiliary contacts

Terminal Accessories

Terminal shape	Item No	Torque N*m	Cable mm ²	Switch Model
M8 Bolt(Cable Lug)		12–15	16–70	DNH1–160
M10 Bolt(Cable Lug)		30–35	25–150	DNH1–250 ~ 400
M12 Bolt (Cable Lug)		35–40	25–240	DNH1–630
	DN54201	3	16–70 s(r) 16–70 s(s) 16–70 f+AE	DNH1–160
	DN54207	6	75–150 s(r) 75–150 s(s) 75–150 f,f+AE	DNH1–250
	DN54208	8	50–240 s(r) 50–240 s(s) 50–240 f,f+AE	DNH1–400 ~ 630
	DN54209	8	150–300 s(r) 150–300 s(s) 150–300 f,f+AE	DNH1–630

Technical Parameters

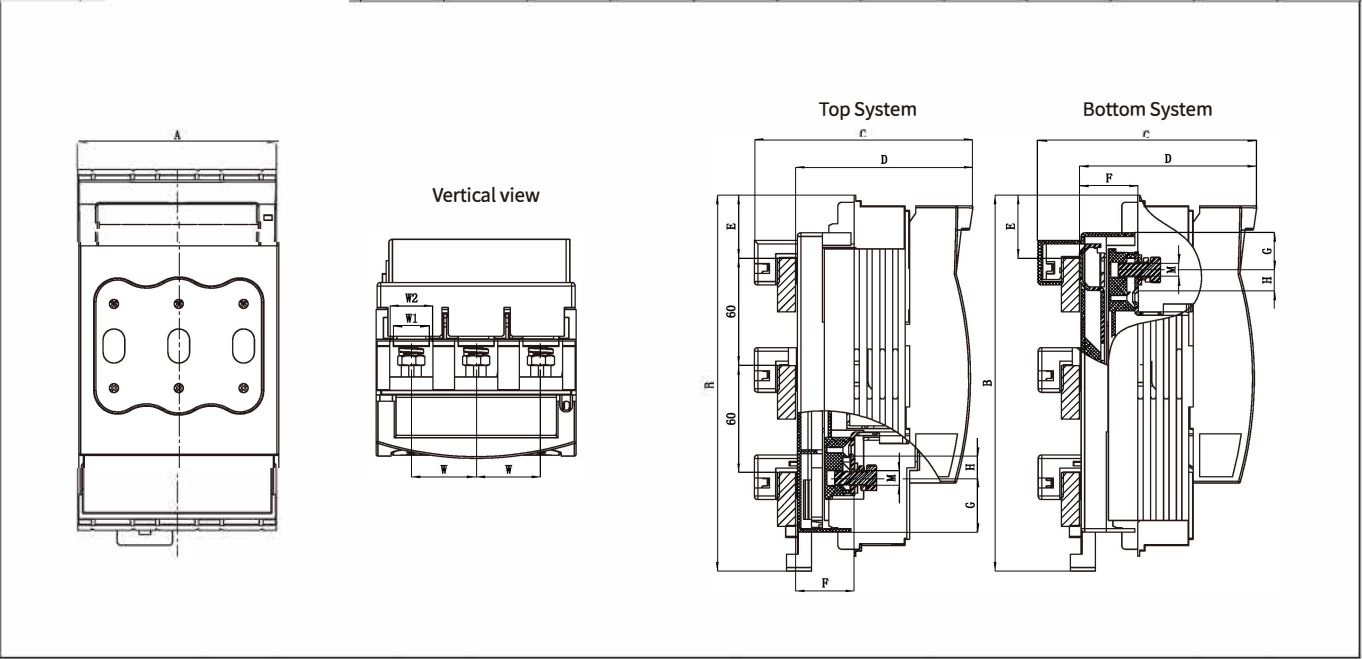
					DNH1-160		DNH1-250		DNH1-400	DNH1-630
Electrical Parameters	With Fuse Link	Rated Voltage	Ue	V	AC380	AC660	AC380	AC660	AC380	AC380
		Rated Current	Ie	A	160	100	250	200	400	630
		Conventional Thermal Current	Ith	A	160	100	250	200	400	630
		Rated Conditional Short-Circuit Current		KA	100	50	100	50	50	50
		Rated Insulation Voltage	Ui	V	800		800		690	690
		Rated Impulse Withstand Voltage	Uimp	KV	8		8		12	12
		Usage Category			AC-23B		AC-23B		AC-23B	AC-23B
					AC-22B		AC-22B		AC-22B	AC-22B
					AC-21B		AC-21B		AC-21B	AC-21B
					AC-20B		AC-20B		AC-20B	AC-20B
	Mechanical Durability		次	200		200		200	200	
	With Solid Fuse Link	Rated Voltage	Ue	V	AC380		AC380		AC380	AC380
		Rated Current	Ie	A	160		250		400	630
		Conventional Thermal Current	Ith	A	160		250		400	630
		Rated Conditional Short-Circuit Current	Icw	KA/S	8		13		15	18
		Rated Insulation Voltage	Ui	V	690		690		1000	1000
		Rated Impulse Withstand Voltage	Uimp	KV	8		8		12	12
		Usage Category			AC-20A		AC-20A		AC-23B	AC-23B
		Mechanical Durability		Times	200		200		200	200
	Common Parameters	Rated Frequency		Hz	50\60		50\60		50\60	50\60
		Pole			3		3		3	3
Fuse Link		Size (RT16\NT\NH) IEC60269-2 GB 13539.2			00		1		2	3
		Rated Current	In	A	160	100	250	200	400	630
		Power Dissipation	P	W	12	12	18	32	28	40
Mechanism		Mechanical Durability		Times	1400		1400		800	800
IP Grade		Front	ON		IP20		IP20		IP20	IP20
			OFF		IP30		IP30		IP30	IP30
Other		Switch off, closed signal indicator(Micro Switch)			Flexible Configuration		Flexible Configuration		Flexible Configuration	Flexible Configuration
Working Conditions		Ambient Temperature		℃	-5~+55					
		Operating Mode			Continuous Work					
		Operation			Handle					
		Installation Type			Vertical					
		Altitude		Meter	≤ 2000					
		Pollution Grade			3					
		Over-voltage Grade			Ⅲ					

Switch | Installation Diagram

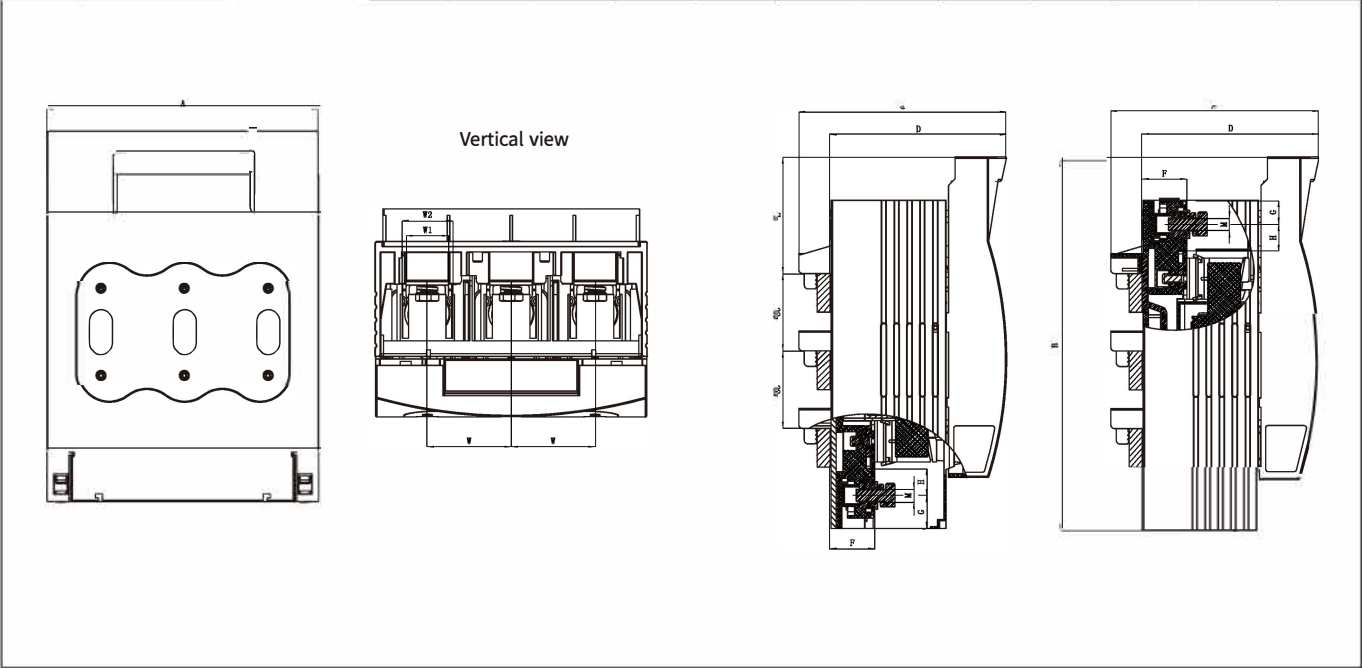
DNH1 Hang Type

Fuse Switch Disconnecter Rated Current for 12-30*5-10mm Rectangular/T/2T/3T Copper Bus-bar flat

Code	Part No	System	A	B	C	D	E	F	G	H	M	W	W1	W2
1	DNH1-160	Top System	111	210	122	99	35	33	30	12	M8	36	20	24
2	DNH1-160	Bottom System							21					

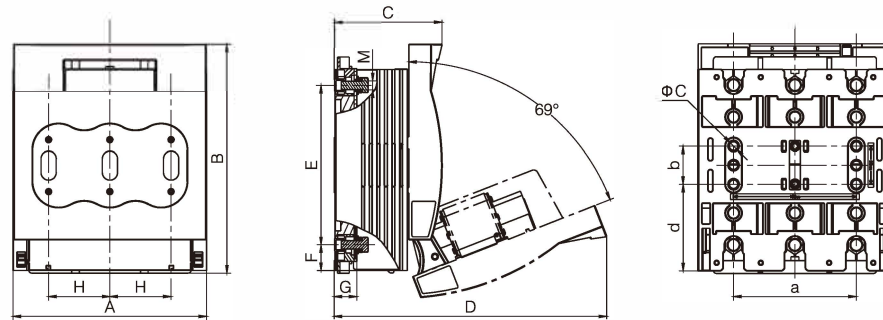


Code	Part No	System	A	B	C	D	E	F	G	H	M	W	W1	W2
1	DNH1-250	Top System	185	246	145	120	67.5	32.5	14.5	21	M10	57	30	45
2	DNH1-250	Bottom System							25.5					
3	DNH1-400	Top System	211	288	161	137	90	34.5	18.5	19	M10	65	33	50
4	DNH1-400	Bottom System							37.5					
5	DNH1-630	Top System	256	302	178	154	90	41.5	21	21	M12	81	45	59
6	DNH1-630	Bottom System							37.5					



Switch | Installation Diagram

Fixed Type



Part No.	Poles	Dimensions (mm)									Installation (mm)			
		A	B	C	D	E	F	G	H	M	a	b	Φ c	d
HR17-40	2	56	116	76	150	–	–	–	–	M7	25	–	Φ 6	–
	3	77	116	76	150	–	–	–	–	M7	44	–	Φ 6	–
HR17-100	2	74	121	76	150	–	–	–	–	M7	31	–	Φ 6	–
	3	105	121	76	150	–	–	–	–	M7	62	–	Φ 6	–
DNH1-160	3	111	202	83	205	116	24	17	36	M8	66	25	Φ 7	70
DNH1-250	3	185	247	110	295	185	14.5	22.5	57	M10	114	50	Φ 11	82
DNH1-400	3	211	290	125	340	210	25.5	26	65	M10	130	50	Φ 11	105.5
DNH1-630	3	256	300	145	360	210	34	30	81	M12	162	50	Φ 11	114
DNH1-630/B	3	166	288	128	335	125	26	30	44	M10	120	50	Φ 11	106

GRL