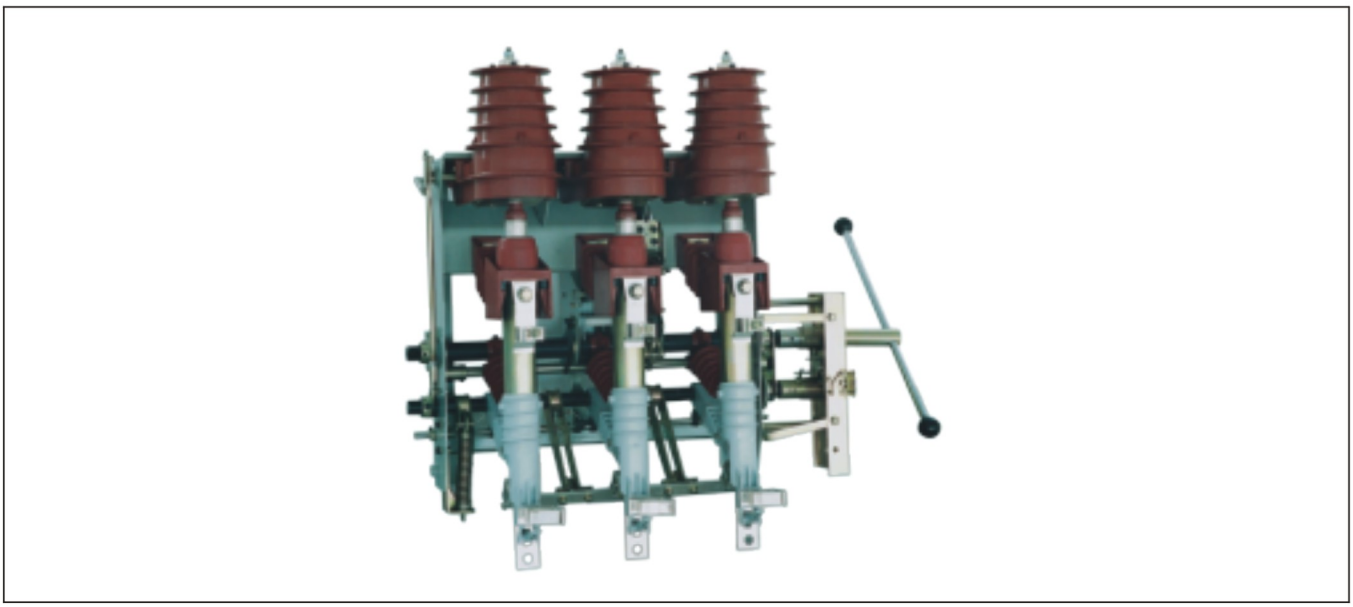
FN12-12 (R) D/100-31.5 Indoor High Vacuum Load Switch



▶ General

F N 12-12 (R) D / 100 -31.5 - □

- Mechanism mode: S cart, D electrical operated
- Rated breaking current
- Rated current (A)
- Earthing switch
- With fuse
- Rated voltage (kV)
- Design code
- Indoor
- High voltage load switch - fuse combination electric appliance

▶ Main Technical Parameter

Number	Item	Unit	Data	
			FN12-12D/630	FN12-12（R）D/125
1	Rated voltage	kV	12	
2	Rated frequency	Hz	50	
3	Rated current	A	630	100
4	Imin power frequency withstand voltage	kV	Earthing to earthing and between phase 75, isolation fracture 85	
5	Light impulse withstand voltage	kV	Earthing to earthing and between phase 42, isolation fracture 48	
6	Rated thermal stable current	kA	20（4S）	
7	Rated peak withstand stably current	kA	50	
8	Rated making current (peak)	kA	50	50
9	Rated breaking current (expected value)	kV		31.5
10	Critical breaking current max $1^2 \cdot T$	Hz		As per fuse characteristic curve
11	Min breaking current	A		As per fuse characteristic curve
12	Rated shift current	kV		1.5

2. Combination electric appliance engineering parameter

Item	Unit	Data
Rated voltage	kV	12
Rated frequency	Hz	50
Fuse max rated current	A	125
Rated breaking ac current	A	3150
Fuse trigger switch on/off time	ms	40 ± 5
Rated short-circuit breaking current (effective value)	kA	31.5
Rated short-circuit making current (peak value)	kA	50
1min power frequency withstand voltage:(Vacuum fracture, phase to phase, phase to earth/Isolation fracture)	kV	42/48
Lightning surge withstand voltage:(vacuum fracture, phase to phase, phase to earth/Isolation fracture)	kV	75/85
Fuse ram output energy	J	2-5

3. Mechanical characteristic technical parameter

Item	Unit	Data
Distance of moving contact and fixed contact	mm	10±1
Overtravel	mm	4±0.5
Average closing speed	m/s	0.6±0.2
Breaking opening speed(before distance of moving and fixed contact 6mm)	m/s	1.1±0.2
Three-phase contact closing/opening asynchrunous	ms	≤2
Contact closing bounces time	ms	≤2
Air distance between charged body and to earth	mm	≥125
Between upper and lower support main loop resistance	μΩ	≤70

▶ *Overall and installation dimensions*