

# FN7 Indoor AC HV Load Switch 10kV-12kV

Standard and versatile load break switch for all primary applications



12kV, 630/125A, 50kA, 50Hz,

Three-phase pneumatic drive, stable breaking for 50Hz grid.

Modular pneumatic actuator, simple structure and easy manual operation.

Complete standard accessories for diverse indoor and outdoor installation.

30,000 overhaul-free operations, long service life and low maintenance.



Provided customized manufacture

Whole solutions for design, assembly, test...

Accountable solution for safety and reliability

Wide range offering, easy business and convenient installation

**ROCKWILL**<sup>®</sup>

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**Technical Parameters**

Rated Voltage (KV, RMS)	12	FN7 - 12/630A	DX (Grounding Switch at Outgoing Line End)	L (Interlocking Device)	R (Fuse)	RA (Punch Type Fuse)	F (Electric Opening Device)
Power - frequency Withstand Voltage for 1 minute (KV, RMS)	Inter - phase, Phase - ground: 42	—	—	—	—	—	—
Lightning Impulse Withstand Voltage (KV, Peak Value)	Inter - phase, Phase - ground: 75	—	—	—	—	—	—
Rated Current (A)	400	630	△	△			
Rated Thermal - stability Current (KA, RMS for 4S)	12.5	—	—	—	△	—	—
Rated Dynamic - stability Current (KA, Peak Value)	31.5	—	—	△	△	—	—
Rated Short - circuit Making Current (KA, Peak Value)	31.5		△	△	△	—	—
Load Switch - Punch Type	FN7 - 12RAF	—	—	—	—	△	△
Load Switch - Punch Type	FN7 - 12DSLRAF	△		△		△	△
Load Switch - Punch Type	FN7 - 12DXLRAF		△	△		△	△

Rated Voltage (KV, RMS)	12	FN7 - 12/630A
Insulation Level - Power - frequency Withstand Voltage for 1 minute (KV, RMS)	Inter - phase, Phase - ground: 42	Isolating Gap: 48
Insulation Level - Lightning Impulse Withstand Voltage (KV, Peak Value)	Inter - phase, Phase - ground: 75	Isolating Gap: 85
Rated Current (A)	400	630
Rated Thermal - stability Current (KA, RMS for 4S)	12.5	20
Rated Dynamic - stability Current (KA, Peak Value)	31.5	50
Rated Short - circuit Making Current (KA, Peak Value)	31.5	50

Note: (-) means not available; (△) means available.