

RPS Wear-Resistant SF6 Load Break Switch

Versatile load break switch for outdoor pole-mounted applications



15kV, 630A, 50kA, 50/60Hz

High insulation strength and fast arc extinguishing speed

Maintenance-free design, no periodic maintenance required

Compliant with IEC and national standards for power equipment

Long mechanical service life, suitable for frequent operating conditions



Provided customized manufacture

Whole solutions for design, assembly, test...

Accountable solution for safety and reliability

Wide range offering, easy business and convenient installation

ROCKWILL®

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Technical Parameters
Specification of 15 kV Pole Mounted Disconnect Switch

Products Type	RPS-15
Maximum System Voltage	15KV
Rated Continuous Current	630A
Rated Frequency	50/60Hz
Short Time Withstand Current	1KA/sec
Mainly Active Load Current	630A
Number of Load-break Operations	400 times
Short-circuit Making Current(peak)	50KA

Internal Arc Test of 15 KV Pole Mounted Disconnect Switch

Internal Arc Test	20kA /0.1 sec
Arc Extinction Medium	SF6 Gas
Insulation Medium	SF6 Gas
Creepage Distance (Porcelain)	560mm
IP Level	54
Closing/Opening Tin	< 0.1 sec
Mechanical Operations (Guaranteed)	10000 times
Operating Temperature.1re(*Manual Type)	-25~+70°C
Nominal Pressure (kg/cm2 G, at 20°C)	0.07
Bursting Pressure (kg/cm2 G)	4 ~ 6
Minimum Gas Pressure (kg/cm2 G)	0.0
Leakage Rate (cc/ sec)	1%
Reference Standards	IEC 62271-103、IEC 62271-1:2017、GB/T 3804-2004

Technical Parameters

Number of Making Operations on 15 kV Pole Mounted Disconnect Switch

Number of Making Operations	5 times
Cable Charging Current	10A
Line Charging Current	10A
Closed Loop Circuit Current	630A
Transformer Magnetizing Current	22A
Wet Condition- 10 sec (Ph- Ph-Eth, Across Interrupters)	50kV
Dry Condition- 1 min (Phase to Phase, Phase to Earth)	50kV
Dry Condition - 1 min (Across Interrupter)	60kV

Other Ratings & Specifications of 15 kV Pole Mounted Disconnect Switch

Internal Arc Test	20kA /0.1 sec	20kA /0.1 sec	20kA /0.1 sec
Arc Extinction/ Insulation Medium	SF6 Gas	SF6 Gas	SF6 Gas
Creepage Distance (Porcelain)	380mm	700mm	1055mm
Creepage Distance (Silicon)	780mm	1200mm	1550mm
Dry arcing distance	≥200mm	≥	≥
IP Level	65	65	65
Closing/Opening Time	<1sec	<1sec	<1sec
Mechanical Operations (Guaranteed)	10000 times	10000 times	10000 times
Operating Temperature (*Manual Type)	-25~+70°C	-25~+70°C	-25~+70°C
Nominal Pressure (MPa, at 20°C)	0.07	0.07	0.07
Bursting Pressure (MPa)	0.4~0.6	0.4~0.6	0.4~0.6
Minimum Gas Pressure (MPa)	0.05	0.05	0.05
Leakage Rate (cc/ sec)	≤0.5%	≤0.5%	≤0.5%
CT ABC 10P10 5VA	400:5	400:5	400:5