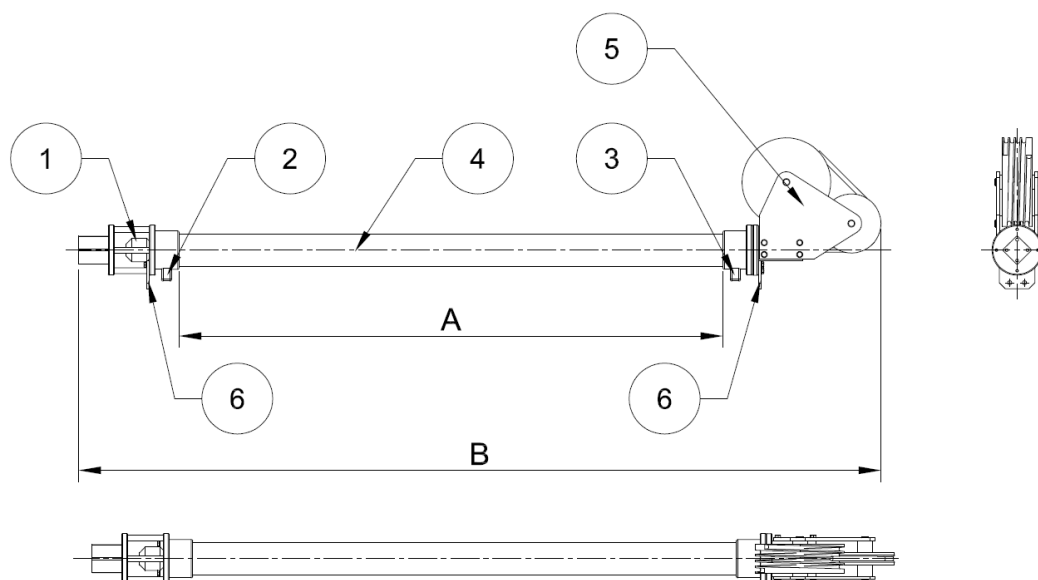




**DS1L**  
**INDOOR PNEUMATIC OPERATED**  
**LINEAR DISCONNECTOR**  
**72,5 - 550 kV**  
**reliability and virtually no maintenance**

## MAIN DIMENSIONS



### Main dimension – DS3A

Rated Voltage (kV)	Outline Dimension (mm)	
	A	B
72.5	700	1500
123	1200	2000
145	1400	2200
245	2400	3200
420	3500	4300
550	4000	4800

## TECHNICAL DATA

Technical data – DS2A							
Rated voltage (Ur)	kV	72.5	123	145	245	420	550
Rated frequency (fr)	Hz	50/60	50/60	50/60	50/60	50/60	50/60
Rated nominal current (Ir) Up To	A	200	200	200	200	200	200
Rated peak withstand current (Ip) Up To	kAp	26	26	26	26	26	26
Rated power frequency withstand voltage for 1 minute							
Across the insulating distance	kV	160	265	315	530	610	800
Rated lightning impulse withstand voltage (1.2/50 μs)							
Across the isolating distance	kVp	375	630	750	1200	1425 (+240)	1550 (+315)
Rated switching impulse withstand voltage							
Across the isolating distance	kVp	-	-	-	-	900 (+345)	900 (+450)

Idea DS1L disconnecter is designed with the most advanced techniques by a team of engineers with over 40 years of experience in the field of high and very high voltage disconnecter.

The DS1L disconnecter is designed for indoor high voltage laboratory to ensure the best performance and maximum reliability during the laboratory test.

Thanks to the advanced current path design and material, stainless steel contact springs, make the disconnecter virtually maintenance free for 10.000 operation.

For closing the disconnecter operate with compressed air thanks to its strong and reliable pneumatic piston.

For opening the disconnecter operate by a torsion spring recovery system charged during the closing phase that recover the copper rope constituting the conductive part.

The main part of disconnecter are:

- 1- Fixed contact
- 2- Opening pneumatic release system
- 3- Closing pneumatic system
- 4- Hollow composite insulator
- 5- Torsion spring recovery system
- 6- Terminal pad

The main disconnecter characteristic are as above described but they modular components can be customized according the customer needs.

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## CONTACT US

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