COELME
COSTRUZIONI ELETTROMECCANICHE - SPA

egic

CBVD 72.5 – 170 kV Centre Break V-type disconnector

HV Switching

Southern States Group

HV Switching

We know how

Our range of double break disconnectors is designed to ensure the highest performance, with reliability resulting from our 50-year experience.
Over 50000 disconnecting switches installed in more than 100 countries worldwide give the guarantee of a best-buy.

The CBVD centre break V-type disconnecting switch

The CBVD centre break V-type disconnector is derived from and keeps the main construction features and operating principle of the “traditional” centre break type (CBD).

In particular, materials and manufacturing process (according to ISO 9001 certified procedures) are the same, which guarantees, also for the CBVD, an exceptional reliability over many years of service, even under the harshest environmental conditions.

The CBVD is a very compact and economic solution; the base frame, “space saving” and robust, allows the installation of the three poles on a single horizontal member.

Integrated earthing switches are available for mounting at each or both sides of the pole.

Like all our models, the CBVD meets the latest international standards (IEC, ANSI) but can also be customised according to particular specifications.

Optional devices

Upon request, the disconnector can be equipped with a bus-transfer current switching device, according to IEC 62271-102 (annex B).

The integrated earthing switch can also be fitted with an optional induced currents switching device, as per IEC 62271-102 (annex C).

For operation under severe ice conditions (up to 20 mm), ice shields are available to protect the parts, where needed.

Ratings and dimensions

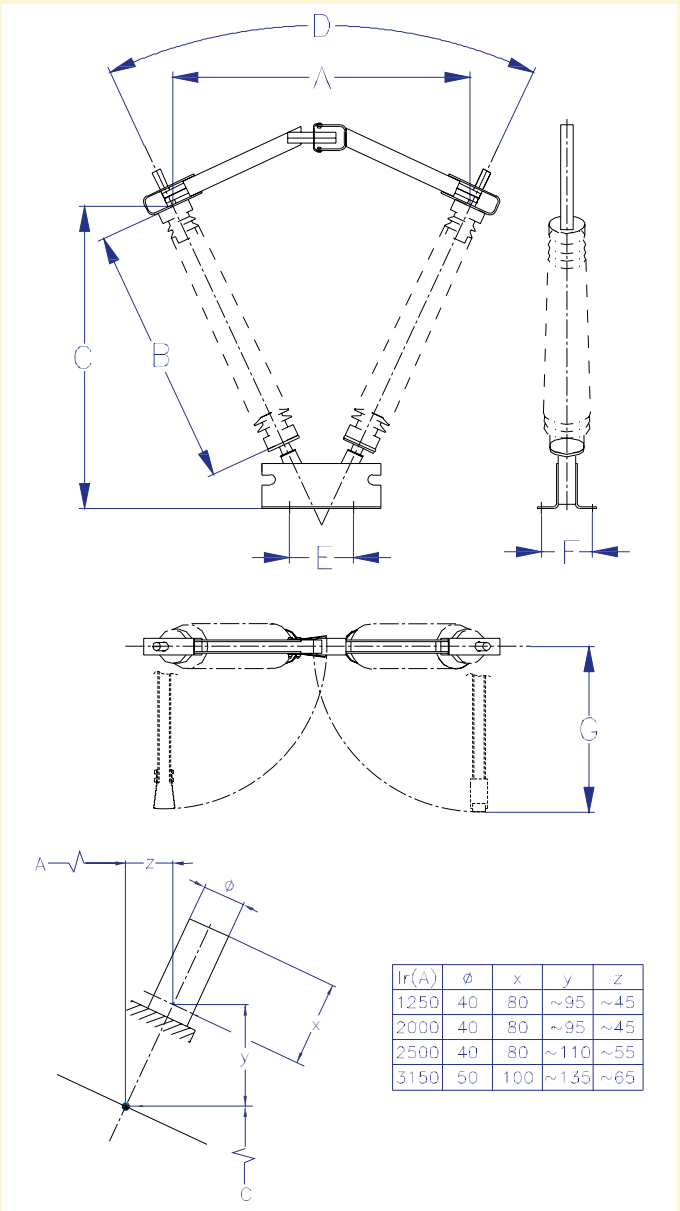
The values in the table refer to IEC standards only.

Rated voltage		**Ur (kV)**	**72.5**	**123**	**145**	**170**
Rated power frequency withstand voltage	TE	**Ud** (kV)	140	230	275	325
	AID	**Ud** (kV)	160	265	315	375
Rated lightning impulse withstand voltage	TE	**Up** (kV)	325	550	650	750
	AID	**Up** (kV)	375	630	750	860

TE : To Earth
AID : Across the Isolating Distance

Rated permanent current		**Ir** (A)	Up to 3150 A
Rated short-time withstand current		**Ik** (kA)	Up to 40 kA / 3s
Rated peak withstand current		**Ip** (kA)	Up to 108 kA

Dimensions						
	A	mm	1014	1394	1634	1804
	B	mm	770	1220	1500	1700
	C	mm	1010	1415	1670	1850
	D	deg	50°	50°	50°	50°
	E	mm	300	300	300	300
	F	mm	240	240	240	240
	G	mm	645	860	990	1085
	H	mm	4 Ø18	4 Ø18	4 Ø18	4 Ø18



Ir(A)	ø	x	y	z
1250	40	80	~95	~45
2000	40	80	~95	~45
2500	40	80	~110	~55
3150	50	100	~135	~65

CBVD-en-C/E - 12/2007 - Due to product and standards evolution, characteristics and dimensions are likely to change.

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