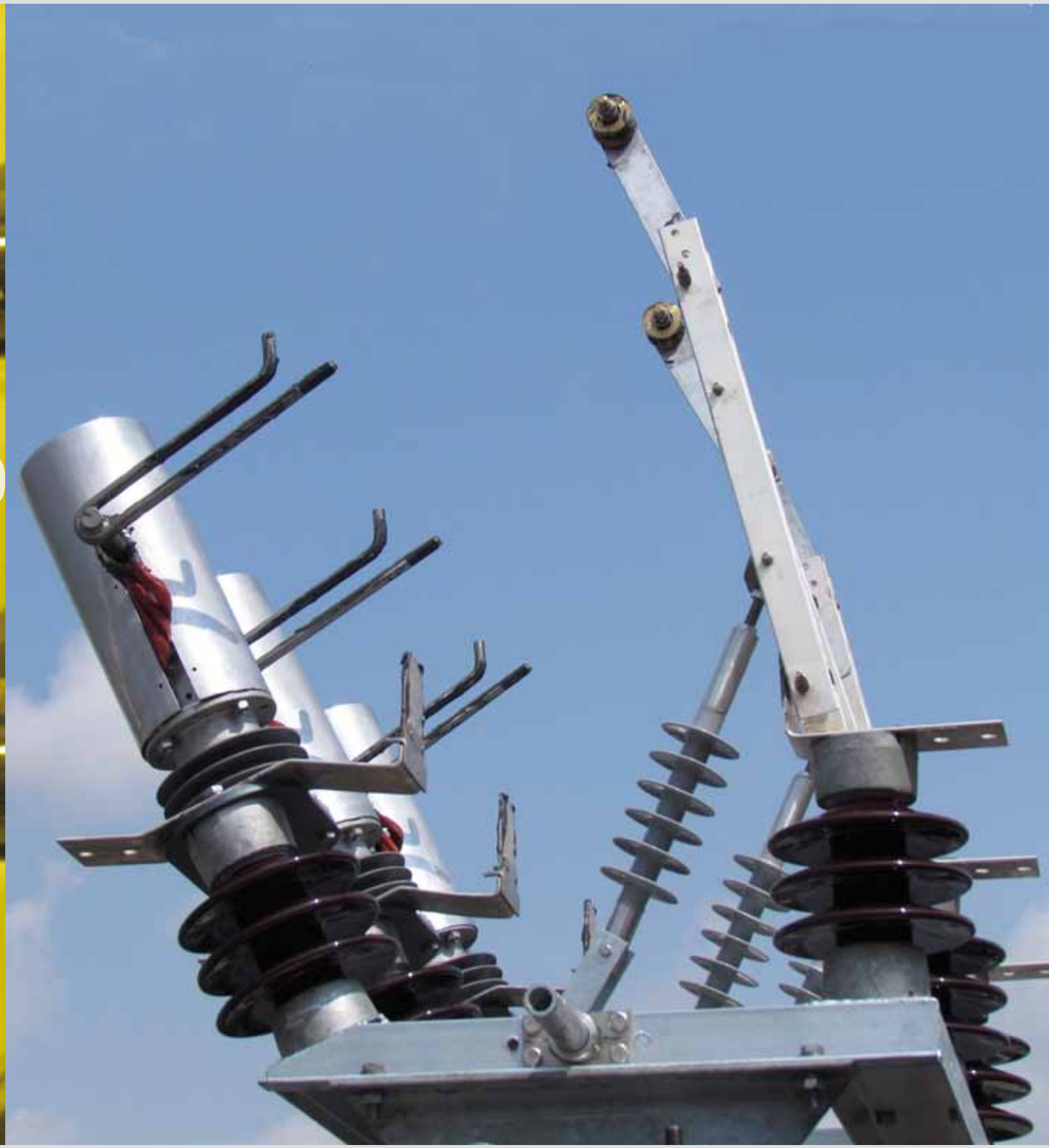
COELME
COSTRUZIONI ELETTROMECCANICHE - SPA

egic

LBS 12-36 kV Load switcher

HV Switching



Southern States Group

HV Switching

Ratings

The values in the table refer to IEC standards

Rated voltage (kV)	Ur (kV)	12	24	36
Rated power frequency withstand voltage				
TE	Ud (kV)	28	50	80
AID	Ud (kV)	32	60	90
Rated lightning impulse withstand voltage				
TE	Up (kV)	75	125	180
AID	Up (kV)	85	145	250
Rated normal current	Ir (A)	630	1250	2000
Rated short-time withstand current	Ik (kA)	25	31.5	40
Rated duration of short-circuit	tk (S)	1	1	1
Rated peak withstand current	Ip (kA)	68	85	108
Rated short-circuit making capacity	Ima (kA)	25	25	25
Rated mainly active load breaking current	I_{load} (A)	630	1250	2000
Rated distribution line closed-loop breaking current	I_{loop} (A)	630	1250	2000
Rated cable-charging breaking current	I_{cc} (A)	10	16	20
Rated line charging breaking current	I_{lc} (A)	1	1.5	2
Rated earth fault breaking current	I_{ef1} (A)	30	48	60
Rated cable- and line-charging breaking current under earth-fault conditions	I_{ef2} (A)	17.3	27.7	34.6
Minimum mechanical and electrical endurance		2000 operations		
Ambient temperature range		-25°C to +40°C		

TE: To Earth
AID: Across the Isolating Distance

The LBS is an outdoor combined switch-disconnector.

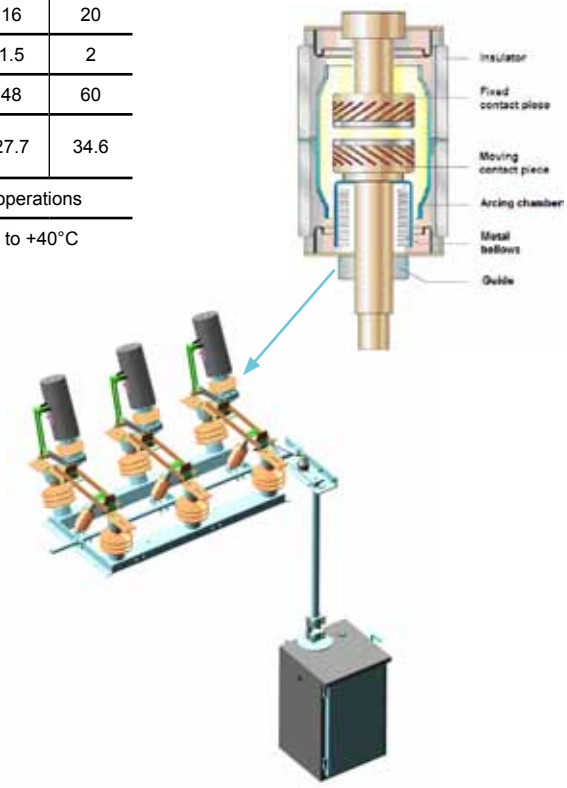
It provides support for a reliable and safe operation of the networks.

It is capable of switching its rated normal current as well as its rated short-circuit making current.

A bi-stable mechanism is used to disconnect the circuit via the Vacuum Interrupter without external visible arc.

LBS are featured by their simple design and easy mounting to either concrete or wooden supports.

They meet the following standards:
IEC 62271-103, IEC 62271-1, IEC 62271-102.



Key features and advantages

- Compact design mechanism
- Visible isolating distance
- No external arc
- Long life performance
- No environmental pollution

Optional features

- Extended endurance: 5000 CO (class M1)
- Integrated earthing switch application
- Switch disconnector with fuse holders
- "Rocking type" technology
- Extending time of short-circuit to 3s
- Extended ambient temperature range: -35 °C / +50 °C

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