

Pantograph disconnecter type PE



Ur : 123 to 550kV
Ir : 1250 to 4000A
Ik ≤ 63kA - tk : 3s - Ip ≤ 160kA



The pantograph disconnecter is characterized by an articulated arm vertical system, making it one of the most compact on site. The disconnecter type PE of SDCEM is a solution offering high stability, and adjustment and handling easiness.

Rich of its experience and strong capacity of innovation, SDCEM offers a wide range of disconnectors and switches medium, high and very high voltage, covering all customer needs through effective and adapted solutions.

PERFORMANCE

- Design and tests compliant to IEC and ANSI standards (type test reports available upon request)
- Spring mechanism leading to stabilization of moving parts and low torque operation
- Seismic withstand : 0,2g*
- Ice operation : 10mm*
- Mechanical endurance : 10000 cycles*
- Small current breaking capacity : 0,5A*

SECURITY

- Compliant to ISO 9001 and ISO 14001 certifications
- Association possible with the solutions of the electrical operating mechanism type MR41E for an optimum operation safety.

FLEXIBILITY

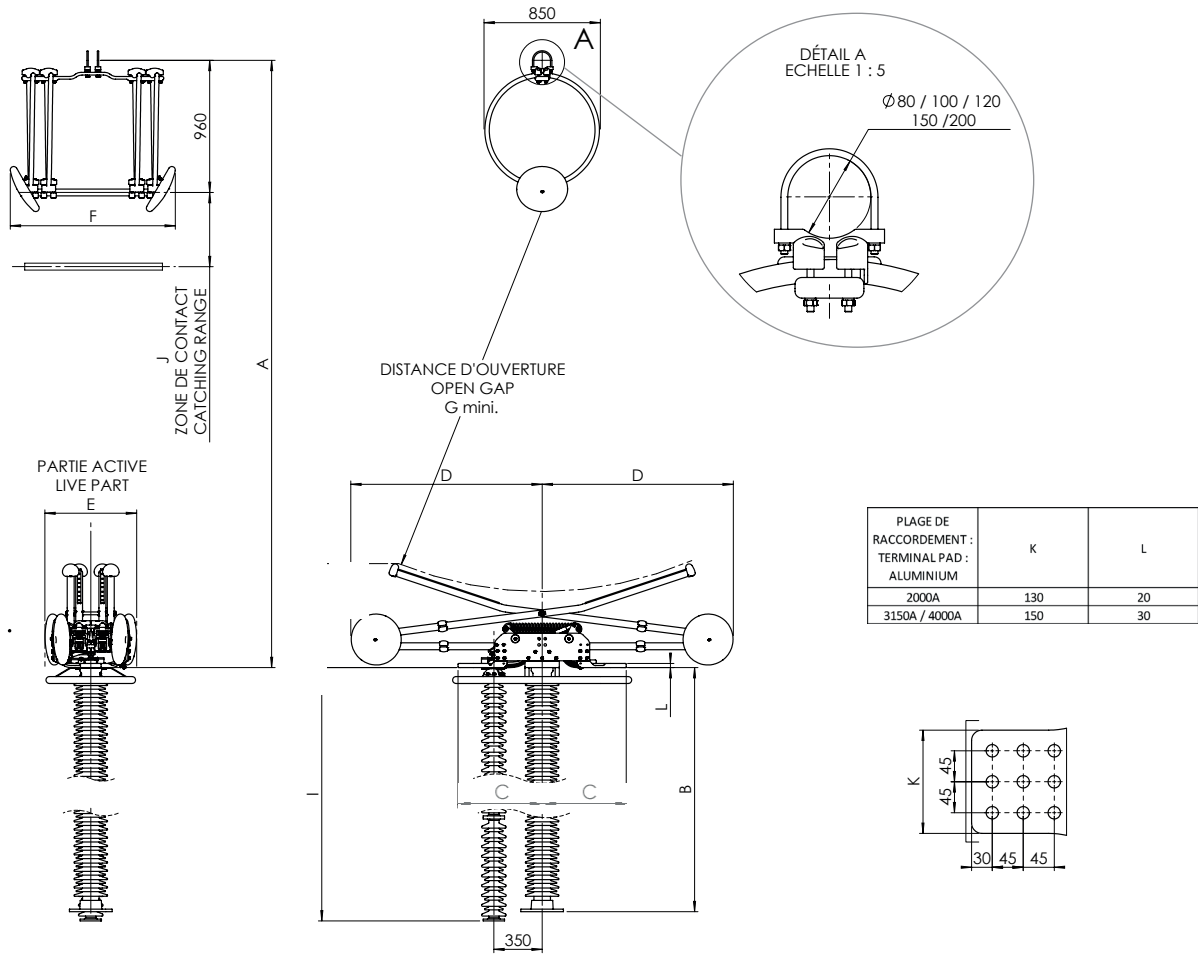
- Brown*, gray or white ceramic insulators ; class 3* or class 4.
- Primary terminals : bare aluminum horizontal terminal pads* and fixed contacts (provided) fixed on busbar*
- 90° rotating fixed contacts and collar for busbar available in several diameters
- Available with manual operating mechanisms (single-pole) or electrical operating mechanisms, ganged operated or one-pole operated.

SERVICES

- After Sales Service
- Design for special adaptations
- Layout studies
- Installation supervision
- Adjustment on site
- Retrofit

* Standard values. For further inquiries, please consult us.

Pantograph disconnectors type PE



Drawing above represents highest voltage for this device.

Rated voltage Ur	Rated current Ir	Short-circuit current (Ik - tk:3s)	BIL (kV)	SIL (kV)	A	B	C	D	E	F	G	I
					mm	mm	mm	mm	mm	mm	mm	mm
123kV	≤ 4000A	≤ 63kA	550	NA	3100	1220	610	820	600	1010	1150	1290
145kV			650	NA	3320	1500	610	940	600	1010	1400	1590
170kV			750	NA	3500	1700	610	1000	600	1010	1600	1790
245kV			1050	NA	4170	2300	610	1250	600	1010	2250	2360
300kV			1050	850	4410	2650	610	1500	700	1200	2300	2720
362kV			1175	950	4900	2900	610	1700	700	1200	2850	2970
420kV			1425	1050	5450	3350	610	1900	700	1200	3400	3420
550kV			1550	1175	6050	3650	610	2200	700	1200	3950	3720

Are mentioned above dimensions and maximum values.

Available options

- Fixed contacts (provided) fixed on customer cable
- High busbar terminals by collar of dia. 80, 100, 120, 150 or 200mm
- Vertical bare aluminium pads or cylindrical horizontal tinned copper terminals
- Making and breaking capacity for bus-transfer currents
- Associated earthing switch
- Breaking capacity for capacitive and inductive currents for associated earthing switch

NB : For more information or further inquiries, please consult us.