



HIGH VOLTAGE OVERHEAD LINES

Single-phase short-circuiting device for HV overhead lines - CAA clamp

SR EN 61230

R

Enel

Code: Msp CAA - S_p / I_p - O/p (earthing clamp)

Msp CAA - S_p / I_p - O/pr (earthing clamp with scraping jaw)

Two application methods depending on the operator's positioning compared to the conductor:

- ✓ By hanging the clamp on the conductor followed by pulling down (if the operator is positioned under the conductor),
- ✓ By pushing and pressing the clamp on the conductor (if the operator is positioned above the conductor).

Components:

- Self-locking automatic clamp – 1 piece
- Earthing cable – 1 piece
- Earthing clamp – 1 piece
- Mounting - dismounting adaptor (AMD/E) – 1 piece / set of 3 short-circuiting devices

Packing: waterproof bag

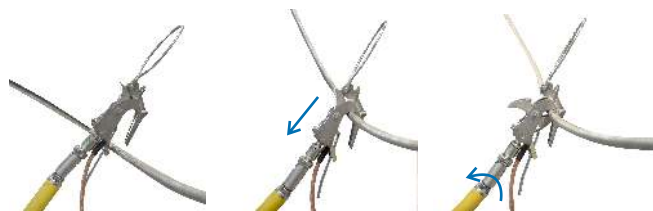
Related products:

- Multipurpose modular insulating stick type PMU 110-2 B/ba / PMU 220-2 B/ba / PMU 400-3 B/ba (see page 10)

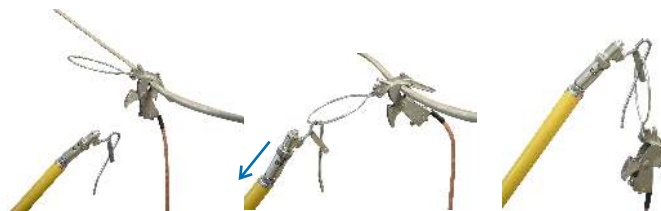
Tips: we recommend the use of earthing clamps with scraping jaw (code CLPBR-12 or CLPBR-16 - see page 28) to clean and remove layers of oxides, dirt and protective paint from the metallic brackets of overhead line poles, in order to obtain appropriate contact resistance.



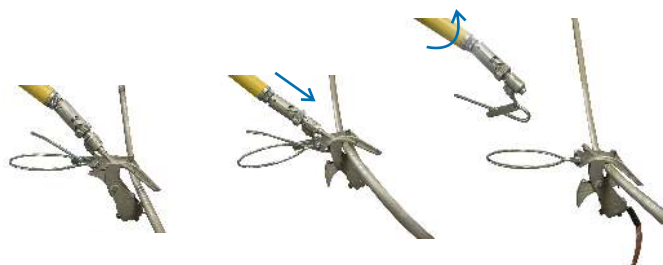
MOUNTING - DISMOUNTING ADAPTOR - AMD-E



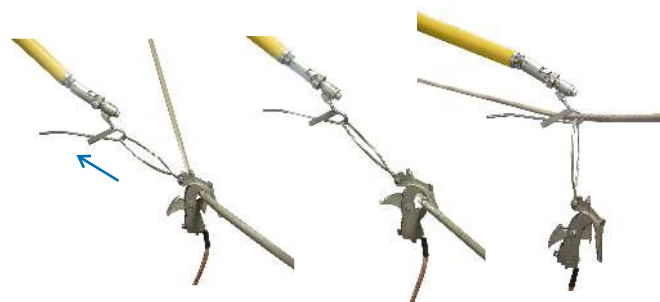
CLAMP APPLICATION - OPERATOR UNDER CONDUCTOR



DISMOUNTING OF CLAMP



CLAMP APPLICATION - OPERATOR ABOVE THE CONDUCTOR



DISMOUNTING OF CLAMP

Technical characteristics

Earthing cable cross-section S _p (mm ²)	16	25	35	50	70	95
Nominal short-circuit current for t = 1 s I _{sc} (kA)	4	6,25	8	12	16	18
Shock (peak) nominal current for t = 0,02 s I _{sd} (kA)	10	15,63	20	30	40	45
Test short-circuit current for t = 1 s (kA)	4,6	7,2	9,2	13,8	18,4	20,7
Test shock (peak) current for t = 0,02 s (kA)	11,5	17,97	23	34,5	46	51,75
Power factor (according to SR EN 61230)	2,5					
Earthing cable length I _p (m)	max. 17,5					
Diameter of the conductor where the phase clamp can be applied (mm)	5 ÷ 32			6 ÷ 32		