



**Three-phase short-circuiting device for MV OHL line - application from the ground - CAA clamp**

Code: Msp - CAA - AS - 3xS<sub>p</sub>/I<sub>p</sub> - O/p

SR EN 61230 **R**

**Intended use:** earthing and short-circuiting of conductors for MV overhead lines.

**Application:** from the ground, by the successive lifting of each clamp, hanging of the automatic self-locking clamp (CAA) on the conductor, followed by the pulling down of the clamp which becomes detached automatically from the mounting adapter.

Considering the weight of the phase clamp, connected to the earthing conductor and the positioning of the overhead conductors at approx. 9 m from the ground, the application of clamps with the 9 m telescopic stick is difficult to perform in bad weather conditions. In order to facilitate the application of clamps on overhead conductors, it is recommended to procure the **pulley system for the lifting of the short-circuiting clamps from the ground.**

Self-locking automatic clamps (CAA) must be handled using an insulating stick appropriate to the installation and the mounting position.

**Components:**

- Self-locking automatic clamp (CAA) – 3 pieces
- Earthing cable – 3 pieces
- Manual earthing clamp – 1 piece
- Mounting adapter (AM/C) – 1 piece
- Removal hook (CDA/C) – 1 piece
- Mobile earthing electrode (peg) – 1 piece

**Packing:** waterproof bag.

**Operations must also include the following equipment:**

- telescopic insulating stick type PTU-AS-400-6-c, provided with "hexagon 12" coupling system



**MOUNTING ADAPTER**  
AM/C



**REMOVAL HOOK**  
CDA/C



**MOBILE EARTHING ELECTRODE (PEG)**

**Technical characteristics**

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