



## MEDIUM VOLTAGE OVERHEAD LINES

### Three-phase short-circuiting device for MV overhead lines - application from height - CAA clamp

SR EN 61230



Code: Msp - CAA - AST - 3xS<sub>r</sub>/I<sub>r</sub> - S<sub>p</sub>/I<sub>p</sub> - O/p

**Application:** from height, by hanging the automatic self-locking clamp (CAA) on the conductor, followed by pulling down the clamp.

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

According to the selected type of mounting piece, CAA automatic clamps can be applied **simultaneously** (using the clamp applicator) or **successively** (using the mounting adaptor).

#### Components:

- Self-locking automatic clamp (CAA) – 3 pieces
- Short-circuiting cable – 3 pieces
- Earthing cable – 1 piece
- Earthing clamp – 1 piece
- Clamp applicator (PAS/E or PAS/C) or mounting adaptor (AM/E or EM/C) – 1 piece
- Removal hook (CDA/E or CDA/C) – 1 piece
- Mobile earthing rod – 1 piece

**Packing:** waterproof bag

#### Related products:

- Multipurpose modular insulating stick type **PMU 20-1 B/ba** or **PMU 20-1 B/ba**, provided with “**RO bayonet**” coupling system (see page 10)

- Multipurpose telescopic insulating stick type **PTU 20-35 F**, **PTU 20-110 F** or **PTU 20-45-110 C**, provided with “**hexagon 12**” coupling system (see page 11)

**Tips:** the coupling ends of the applicator / adaptor / removal hook must be selected so that they can be adapted to the coupling system of the insulating stick.



CLAMP APPLICATOR  
PAS/E



PAS/C



MOUNTING ADAPTOR  
AM/E



AM/C



REMOVAL HOOKS  
CDA/E



CDA/C

#### General technical characteristics for three-phase short-circuiting MV OHL devices - application from height

Short-circuiting and earthing cable cross-section S <sub>r</sub> , S <sub>p</sub> (mm <sup>2</sup> )	16	25	35	50	70	95
Nominal short-circuit current for t = 1 s I <sub>sc</sub> (kA)	4	6,25	8	12	16	18
Shock (peak) nominal current for t = 0,02 s I <sub>sd</sub> (kA)	10	15,63	20	30	40	50
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 t = 0,02 s (kA)	11,5	17,97	23	34,5	46	51,75
Power factor (according to SR EN 61230)	2,5					
Short-circuiting cable length I <sub>r</sub> (m)	max. 2,5					
Earthing cable length I <sub>p</sub> (m)	max. 15					
Diameter of the conductor where the phase clamp can be applied (mm)	5 ÷ 32				6 ÷ 32	