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

SR EN 61230

Code: Msp - CAA - AST - 3xS_f/l_f - S_p/l_p - O/p

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

Application: from height (from the ladder, from the basket), by the hanging of the automatic self-locking clamp (CAA) on the conductor, followed by the pulling down the clamp.
Self-locking automatic clamps (CAA) must be handled using an insulating stick appropriate to the installation and the 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 adapter).

Components:

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

Packing: waterproof bag.

Operations must also include the following equipment:
- connecting insulating stick type PMU 20-1 B/ba or PMU 20-1 B/ba, provided with **''Ro bayonet''** coupling system.
- Telescopic insulating stick type PTU 20-35 F, PTU 20-110 F or PTU 20-45-110F, provided with **''hexagon 12''** coupling system.

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

CLAMP APPLICATOR
PAS/E PAS/C

MOUNTING ADAPTER
AM/E AM/C

REMOVAL HOOKS
CDA/E CDA/C

General technical characteristics for three-phase short-circuiting MV OHL devices - application from height						
Phase S_f and earthing S_p cable cross-section (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	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					
Length of phase cables l_f (m)	max. 2,5					
Length of earthing cables l_p (m)	max. 15					
Diameter of the conductor where the phase clamp can be applied (mm)	5 ÷ 32			6 ÷ 32		