



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

SR EN 61230



Code: Msp - CAA - AST - 3xS_i/I_i - S_p/I_p - O/p - E (model ENEL)
 Msp - CAA - AST - 3xS_i/I_i - S_p/I_p - O/p - T

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 of the clamp.
 Self-locking automatic clamps (CAA) are attached without any dismantling options on the end of insulating sticks appropriate to the installation and the mounting position.
 The dismantling of clamps from overhead line conductors is performed by the handling (push) of the stick upwards, simultaneously with its vertical rotation.

Components:

- Self-locking automatic clamp (CAA) with handling stick – 3 pieces
- Short-circuiting cable – 3 pieces
- Earthing cable – 1 piece
- Manual earthing clamp – 1 piece
- Mobile earthing electrode (peg) – 1 piece

Stick types:

- ✓ single module (version E)
- ✓ telescopic with two swctions (version T)

Tips:

Dimensions of metallic boxes used for the packing of short-circuiting devices:
 1830 x 300 x 160 mm – for the version with single-module sticks
 1030 x 300 x 160 mm – for the version with telescopic sticks (low transport volume).

Packing: waterproof bag



THREE-PHASE SHORT-CIRCUITING DEVICE OF MV OHL CAA CLAMP WITH STICK (VERSION E)



DETAIL OF CAA CLAMP FIXING IN THE STICK



THREE-PHASE SHORT-CIRCUITING DEVICE CAA CLAMP WITH TELESCOPIC STICK (VERSION T)

Technical characteristics	Single-modul stick	Telescopic stick
Total length L _t (m)	1,6	1,55
Working length L _w (m)	0,8	1,14
Transport length (m)	1,6	0,95

General technical characteristics for three-phase short-circuiting MV OHL devices - CAA clamp fixed in the stick						
Phase S _i 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 _i (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	