



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

Code: Msp - CAA - AST - 3xS_r/I_r - S_p/I_p - O/p - E (ENEL model)

Msp - CAA - AST - 3xS_r/I_r - S_p/I_p - O/p - T

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) are attached without any dismantling options on the end of insulating handling sticks, appropriate to the installation and the mounting position.

Components:

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

Handling stick type:

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

Packing:

Dimensions of metallic boxes used for the packing of short-circuiting devices:

1830 x 300 x 160 mm – for the version with single module handling sticks

1030 x 300 x 160 mm – for the version with telescopic handling sticks (lower volume for transport)

SR EN 61230



THREE-PHASE SHORT-CIRCUITING DEVICE
WITH SINGLE MODULE HANDLING STICK
(VERSION E)



DETAIL OF CAA CLAMP FIXING
IN THE HANDLING STICK



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

Technical characteristics	Single module handling stick	Telescopic handling 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

Short-circuiting and earthing cable cross-section S _r , 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	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 _r (m)	max. 2,5					
Earthing cable length I _p (m)	max. 15					
Diameter of the conductor where the phase clamp can be applied (mm)	5 ÷ 32			6 ÷ 32		