



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

Code: Msp - CAA - U - 2xS_f / I_f - S_p / I_p - O/p

SR EN 61230



Intended use: earthing and short-circuiting of MV overhead line conductors.

Application: from the ground or from height (from the ladder, from the basket), by hanging the self-locking clamps (CAA) on the conductor, followed by the pulling down the clamp, which is automatically removed from the clamp applicator.

Automatic self-locking clamps (CAA) must be handled with insulating sticks appropriate to the installation and mounting position.

The following sequence of operations shall be observed:

1. By means of the earthing subassembly, one conductor of the line is earthed
2. By means of the short-circuiting subassembly, the three conductors of the line are short-circuited, starting with the conductor earthed in the previous operation.

Components:

The short-circuiting subassembly for 3 overhead conductors includes the following components:

- Automatic self-locking clamp (CAA) – 3 pieces
- Short-circuiting cable – 2 pieces

The earthing subassembly includes the following components:

- Automatic self-locking clamp (CAA) – 1 piece
- Earthing cable – 1 piece
- Manual earthing clamp - 1 piece
- Clamp applicator (PAS/E sau PAS/C) – 1 piece
- Removal fork (CDAU/E sau CDAU/C) – 1 piece
- Mobile earthing electrode (peg) - 1 piece

Packing: waterproof bag.

Other equipments to be used:

- connectable insulating stick type PMU 20-1 B/ba or PMU 20-1 B/baS (for application from height), provided with "RO bayonet" coupling system
- telescopic insulating stick type PTU 20-35 F, PTU 20-110 F or PTU 20-45-110F 9for application from height), provided with "hexagon 12" coupling system
- telescopic insulating stick type PTU-AS-400-6-c (for application from the ground), provided with "hexagon 12" coupling system

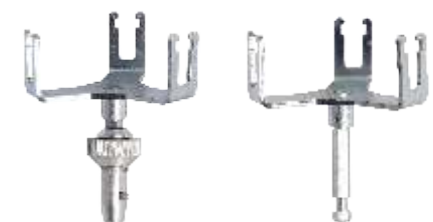
Tips: coupling ends of the clamp applicator and of the removal fork must be selected to be adapted to the coupling system of the insulating stick used.



SHORT-CIRCUITING SUBASSEMBLY



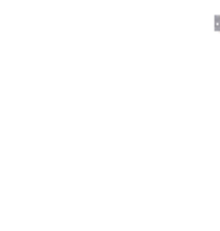
EARTHING SUBASSEMBLY



CLAMP APPLICATORS
PAS/E PAS/C



REMOVAL FORKS
CDAU/E CDAU/C



MOBILE EARTHING ELECTRODE
(PEG)

Technical characteristics

Phase S _f and earthing S _p cable cross-section (mm ²)	16	25	35
Nominal short-circuit current for t = 1 s I _{sc} (kA)	4	6,25	8
Shock (peak) nominal current for t = 0,02 s I _{sd} (kA)	10	15,63	20
Test short-circuit current for t = 1 s (kA)	4,6	7,2	9,2
Test shock (peak) current for t = 0,02 s (kA)	11,5	17,97	23
Power factor (according to SR EN 61230)	2,5		
Phase cable I _f length I _f (m)	max. 4		
Earthing cable I _p length (m)	max. 17,5		
Diameter of the conductor where the CAA clamp can be applied (mm)	5 ÷ 32		