



Poly-phase short-circuiting device for LV overhead lines with bare conductors - applied from the ground

SR EN 61230



Code: Msp - CAA - U - nxS_r/I_r - S_p/I_p - O/p

Application: from the ground, with a telescopic insulating stick of 9 m extended length, PTU-AS-400-6-c type (see page 11), in the following sequence of operations:

1. Using the earthing subassembly, one conductor of the line is earthed,
2. Using the short-circuiting subassemblies, the phase and null conductors are short-circuited, starting with the conductor earthed in the previous operation.

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

Components (see also the first table below):

● **Short-circuiting subassembly** for 3 conductors provided with:

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

● **Short-circuiting subassembly** for 2 conductors provided with:

- ▶ Automatic self-locking clamp (CAA) – 2 pieces
- ▶ Short-circuiting cable – 1 piece

● **Earthing subassembly** provided with:

- ▶ Automatic self-locking clamp (CAA) – 1 piece
- ▶ Earthing cable - 1 piece
- ▶ Earthing clamp - 1 piece

● **Clamp applicator (PAS/C)** - 1 piece

● **Removal fork (CDAU/C)** - 1 piece

● **Mobile earthing rod** - 1 piece

Packing: waterproof bag



SHORT-CIRCUITING SUBASSEMBLY FOR 3 CONDUCTORS



SHORT-CIRCUITING SUBASSEMBLY FOR 2 CONDUCTORS



EARTHING SUBASSEMBLY



CLAMP APPLICATOR (PAS/C)



REMOVAL FORK (CDAU/C)

Configurations available depending on the number of OHL conductors

Number of OHL conductors	Subassembly for 3 conductors	Subassembly for 2 conductors	Subassembly for earthing
4	1	1	1
5	2	0	1
6	2	1	1
7	3	0	1

Technical characteristics

Rated operating voltage U _n (kV)	max. 1		
Short-circuiting and earthing cable cross-section S _r , S _p (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
Shock (peak) nominal current for t = 0,02 s (kA)	11,5	17,97	23
Power factor (according to SR EN 61230)	2,5		
Short-circuiting cable length l _r (m)	max. 4		
Earthing cable length l _p (m)	max. 17,5		
Conductor diameter where the phase clamp can be applied (mm)	5 ÷ 32		