Universal poly-phase short-circuiting device for LV overhead lines (Aerial Bundle Cables (ABC) and bare conductors)

SR EN 61230

Code: Msp - 1 - nxS_f/l_f - S_p/l_p - O/F/p

Application: from height

Aerial Bundle Cables (ABC) provided with COT 10-95 A (ROMANIA) voltage connectors: use the short-circuiting subassembly, the earthing subassembly and the mobile earthing rod.

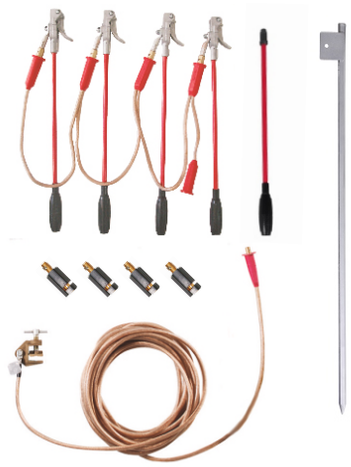
Aerial Bundle Cables (ABC) provided with DPS (ROMANIA) voltage connectors: use the short-circuiting subassembly, in whose plugs are mounted the coupling adaptors to DPS connectors (from the kit), the earthing subassembly and the mobile earthing rod.

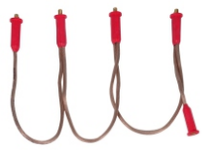
Overhead lines with bare conductors: use the clamps with screw locking and insulating stick coupled to the plugs of the short-circuiting device, the earthing subassembly and the mobile earthing rod.

Components:

- **Short-circuiting subassembly** provided with:
  - ✓**Coupling plug for voltage connectors type COT 10-95 A** - "n" = 4...7 pieces
  - ✓**Short-circuiting cable** - 3...6 pieces
  - ✓**Connection cable to the earthing subassembly provided with socket plug** - 1 piece
- **Earthing subassembly** provided with:
  - ✓**Coupling plug for the connection to the short-circuiting subassembly** - 1 piece
  - ✓**Earthing cable** - 1 piece
  - ✓**Earthing clamp** - 1 piece
- **Set of clamps with screw locking and insulating stick for bare LV overhead lines** -"n" = 4...7 pieces
- **Set of coupling adaptors to DPS connectors*** (see NOTE) -"n" = 4...7 pieces
- **Insulating extension stick** - 1 piece
- **Mobile earthing rod** - 1 piece

Packing: waterproof bag





SHORT-CIRCUITING SUBASSEMBLY



EARTHING SUBASSEMBLY



SET OF 4...7 PHASE CLAMPS WITH SCREW LOCKING AND INSULATING STICK



SET OF 4...7 COUPLING ADAPTORS TO DPS CONNECTORS

INSULATING EXTENSION STICK



MOBILE EARTHING ROD

Technical characteristics			
Rated operating voltage U_n (kV)		max. 1	
Short-circuiting and earthing cable cross-section S_f, S_p (mm^2)	16	25	35
Nominal short-circuit current for t = 1 s I_{sc} (kA)	4	6	8
Shock (peak) nominal current for t = 0,02 s I_{sd} (kA)	11,5	17,25	23
Test short-circuit current for t = 1 s (kA)	4,6	6,9	9,2
Shock (peak) nominal current for t = 0,02 s (kA)	13,22	19,83	26,45
Power factor (according to SR EN 61230)		2,875	
Short-circuiting cable length l_f (m)		max. 1	
Earthing cable length l_p (m)		max. 15	
Number of self-tightening clamps / adaptors for DPS connectors		max. 7	
Protection length of the insulating stick (m)		0,35	
Total protection length of the stick, with insulating extension stick (m)		0,84	
Conductor diameter where the phase clamp can be applied (mm)		3 ÷ 30	
Type of connectors where the short-circuiting device can be assembled (in power networks with ABC conductors)		COT 10-95 A (Romind T&G) DPS* (Eximprod)	

*** NOTE: nominal short-circuit current for t=1 s - max. 6 kA**