



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

Code: Msp - 1 - nxS_r/I_r - S_p/I_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 self-tightening clamps with 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 self-tightening clamps with insulating stick for bare LV overhead lines - "n" = 4...7 pieces

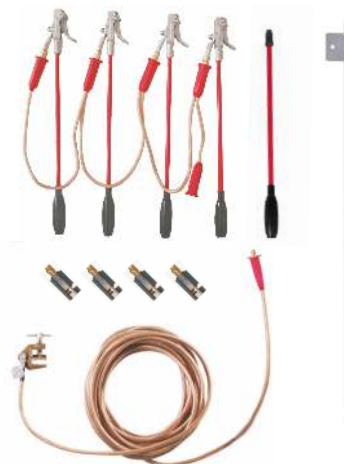
● Set of coupling adaptors to DPS connectors* (see NOTE) - "n" = 4...7 pieces

● Insulating extension stick - 1 piece

● Mobile earthing rod - 1 piece

Packing: waterproof bag

SR EN 61230 **R**



SHORT-CIRCUITING SUBASSEMBLY



EARTHING SUBASSEMBLY



SET OF 4...7 SELF-TIGHTENING CLAMPS WITH 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 _r , 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)	8	12	16
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)	9,2	13,8	18,4
Power factor (according to SR EN 61230)	2		
Short-circuiting cable length l _i (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)	5 ÷ 16		
Conductor cross-section where the phase clamp can be applied (mm ²)	25 ÷ 120		
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