



**Three-phase short-circuiting device for MV overhead lines
- application from the ground - self-locking clamp**

SR EN 61230 SR EN 61235 R

Code: Msp - N - AS - 3x35/10 - O/p

Intended use: MV overhead line conductors placed maximum 10,5 m from the ground

Application: from the ground, by hanging the self-locking clamps mounted at the end of metallic telescopic sticks on overhead conductors, using the insulating stick of the short-circuiting device.

Benefits: easy to be assembled and applied by a single user.

Components:

- Metallic telescopic stick with self-locking clamp – 3 pieces
- Insulating stick with two modules – 1 piece
- Metallic drum for the transportation of earthing cables – 1 piece
- Earthing cable, l=10 m; S=35 mm² – 3 pieces
- Earthing clamp – 1 piece
- Mobile earthing rod – 1 piece

Packing: waterproof bag

Tips: the absence of voltage on overhead conductors is checked using the subassembly consisting of the self-locking clamp - metallic telescopic stick, with a medium voltage detector fixed in the special part at the end of the insulating stick, consisting of two modules. The voltage detector is not included in the product set.



SELF-LOCKING CLAMP



COUPLING DETAIL OF THE INSULATING STICK AND THE METALLIC STICK



DETAIL OF THE DETECTOR FIXING IN THE SPECIAL PART AT THE END OF THE INSULATING STICK

Technical characteristics	
Earthing cable cross-section / length (mm ² /m)	35 / 10
Nominal short-circuit current for t = 1 s I _{sc} (kA)	8
Shock (peak) nominal current for t = 0,02 s I _{sd} (kA)	20
Test short-circuit current for t = 1 s (kA)	9,2
Test shock (peak) current for t = 0,02 s (kA)	23
Power factor (according to SR EN 61230)	2,5
Length of the telescopic metallic stick - folded / extended (m)	2,45 / 6,35
Total length of the insulating stick consisting of two modules (m)	3,42
Diameter of the conductor where the phase clamp can be applied (mm)	4 ÷ 22