

## EARTHING AND SHORT-CIRCUITING DEVICES



### Single-phased earthing device for round conductors – automatic clamp (“CAEr”)

**Code: Msp - CAEr - S<sub>p</sub>/I<sub>p</sub>- O**

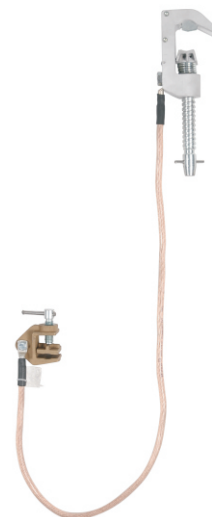
The single-phased earthing device is equipped with an automatic phase clamp (type “CAEr”) which can be fixed on round conductors in HV/MV substations. The “CAEr” automatic clamp contains an extruded body made of aluminium alloy, a special trigger mechanism and a tightening screw with a bayonet terminal for coupling with PMU insulating sticks.

The single-phased short-circuiting device contains:

- automatic extruded phase clamp - 1 piece;
- earthing cable - 1 piece;
- earthing clamp - 1 piece.

The short-circuiting device equipped with cables with 120mm<sup>2</sup> sections and lengths greater than 9,5m is provided only with earthing lug (without earthing clamp)

The earthing device is delivered in sets of three pieces in a transport bag/box.



**SR EN 61230**

Parameter	Value							
Earthing cable section S <sub>p</sub> (mm <sup>2</sup> )	16	25	35	50	70	95	120	
Nominal short-circuiting current for t = 1s I <sub>sc</sub> (kA)	3,5	6	8	12	16	20	30	
Nominal peak current for t = 0,02s I <sub>sd</sub> (kA)	8,75	15	20	30	40	50	75	
Testing sort-circuiting current for t = 1s (kA)	4,6	6,9	9,2	13,8	18,4	23	34,5	
Testing peak current for t = 0,02s (kA)	11,5	17,25	23	34,5	46	57,5	86,25	
Maximum length of the earthing cable I <sub>p</sub> (m)	17,5	17,5	17,5	17,5	17,5	10	10	
Peak factor	2,5							
Conductor diameter on which the clamp can be applied (mm )	17 ÷ 32							

