

## EARTHING AND SHORT-CIRCUITING DEVICES



### Single-phased earthing device for round conductors – classic clamp (“Cr”)

**Code: Msp - Cr - Sp/lp - O**

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

The single-phase earthing device contains the following components;

- classic phase clamp - 1 piece;
- earthing cable - 1 piece;
- earthing clamp - 1 piece;

The earthing 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 $S_p$ (mm <sup>2</sup> )	16	25	35	50	70	95	120	
Nominal short-circuiting current for $t = 1s$ $I_{sc}$ (kA)	3,5	6	8	12	16	20	30	
Nominal peak current for $t = 0,02s$ $I_{sd}$ (kA)	8,75	15	20	30	40	50	75	
Testing short-circuiting current for $t = 1s$ (kA)	4,6	6,9	9,2	13,8	18,4	23	34,5	
Testing short-circuiting current for $t = 0,02s$ (kA)	11,5	17,25	23	34,5	46	57,5	86,25	
Maximum length of the earthing cable $l_p$ (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							

