



Single-phased earthing device for round conductors

SR EN 61230



Code: Msp - Cr - S_p/I_p - O
 Msp - CA - S_p/I_p - O/p
 Msp - CAU - S_p/I_p - S/O/P/p

The single-phased earthing device is utilized on round conductors in HV/MV substations. The phase clamp can be classic reduced (Cr), automatic (CA) or universal automatic (CAU).

The Cr classic reduced clamp and the CAU universal automatic clamp have an extruded aluminum alloy body, the CA automatic clamp contains a molded body made of aluminum alloy, all the clamps having a tightening screw provided at the end with a bayonet coupling system for the connection with the insulating sticks.

The single-phased earthing device is composed of:
 - Phase clamp - 1 piece
 - Earthing cable - 1 piece
 - Earthing clamp - 1 piece

The earthing is made with the manual earthing clamp.

The single-phased earthing device is delivered in sets of 3 pieces in a transport bag / case.



General characteristics for the single-phased earthing devices for round conductors

Earthing cable section S _p (mm ²)	16	25	35	50	70	95	120
Nominal short-circuiting current for t = 1 s I _{sc} (kA)	3,5	6	8	12	16	20	30
Nominal peak current for t = 0,02 s I _{sd} (kA)	8,75	15	20	30	40	50	75
Testing shortcircuiting current for t = 1 s (kA)	4,6	6,9	9,2	13,8	18,4	23	34,5
Testing peak current for t = 0,02 s (kA)	11,5	17,25	23	34,5	46	57,5	86,25
Maximum length of the earthing cable I _p (m) - classic reduced clamp (Cr)	17,5	17,5	17,5	17,5	17,5	10	10
Maximum length of the earthing cable I _p (m) - automatic clamp (CA)				8			
Maximum length of the earthing cable I _p (m) - universal automatic clamp (CAU)				10			
Peak factor (SR EN 61230)				2,5			

Type of phase clamp	Classic reduced clamp (Cr)	Automatic clamp (CA)	Universal automatic clamp (CAU)
Diameter of the conductor on which can be applied the phase clamp (mm)	17 ÷ 32	17 ÷ 32	9 ÷ 32



CLASSIC REDUCED CLAMP (Cr)



AUTOMATIC CLAMP (CA)



UNIVERSAL AUTOMATIC CLAMP (CAU)