



### Three-phased earthing device for bus bars

**SR EN 61230** **Enel** **GST**

**Code: Msp - C - 3xS<sub>f</sub>/I<sub>f</sub> - S<sub>p</sub>/I<sub>p</sub> - P/p**  
**Msp - CA - 3xS<sub>f</sub>/I<sub>f</sub> - S<sub>p</sub>/I<sub>p</sub> - P/p**  
**Msp - CAU - 3xS<sub>f</sub>/I<sub>f</sub> - S<sub>p</sub>/I<sub>p</sub> - S/P/p**

The three-phased earthing device is applied on the bus bars of the medium voltage indoor substations. The phase clamp can be **classic (C)**, **automatic (CA)** or **universal automatic (CAU)** and is directly applied on the bus bar.

The earthing device provided with CAU universal automatic clamp can be applied also on spherical pieces permanently mounted on the bus bars of the MV indoor substations.

The C classical clamp and the CA automatic clamp contain 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 stic. The CAU universal automatic clamp has an extruded aluminum alloy body.

The three-phased earthing device is composed of:

- Phase clamps - 3 pieces
- Short-circuiting cables - 3 pieces
- Earthing cable - 1 piece
- Earthing clamp - 1 piece

The three-phased earthing device is delivered in a transport bag / case.



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

Earthing cable section S <sub>p</sub> (mm <sup>2</sup> )	16	25	35	50	70	95	120
Nominal short-circuiting current for t = 1 s I <sub>sc</sub> (kA)	3,5	6	8	12	16	20	30
Nominal peak current for t = 0,02 s I <sub>sd</sub> (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
Peak factor (SR EN 61230)	2,5						

Type of phase clamp	Classic clamp (C)	Automatic clamp (CA)	Universal automatic clamp (CAU)
Short-circuiting cables length I <sub>f</sub> (m)	max. 1,5	max. 1,5	max. 1,5
Earthing cable length I <sub>p</sub> (m)	max. 7	max. 7	max. 8,5
Thickness of the bus bar on which the phase clamp can be mounted (mm)	max. 40	max. 37	max. 37
Diameter of the spherical coupling piece (mm)	-	-	30



**CLASSIC CLAMP (C)**



**AUTOMATIC CLAMP (CA)**



**UNIVERSAL AUTOMATIC CLAMP (CAU)**

**NEW**