

## EARTHING AND SHORT-CIRCUITING DEVICES



### Three-phased short-circuiting device for bus bars – automatic clamp ("CA")

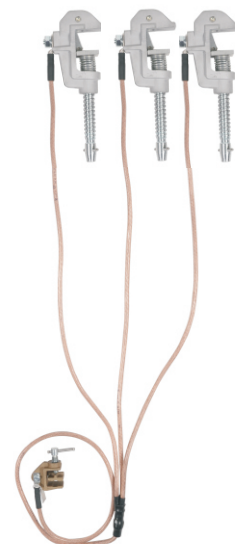
**Code: Msp - CA - 3xS<sub>f</sub>/I<sub>f</sub> - S<sub>p</sub>/I<sub>p</sub> - P/p**

The three-phased short-circuiting device is equipped with three automatic phase clamps (type "CA") which can be fixed on bus bars in indoor substations. The "CA" automatic clamp contains a moulded body made of aluminium alloy, a special trigger mechanism and a tightening screw with a bayonet terminal for coupling with PMU insulating sticks.

The three-phased short-circuiting device contains:

- automatic phase clamps - 3 pieces;
- phase cables - 3 pieces;
- earthing cable - 1 piece;
- earthing clamp - 1 piece;

The short-circuiting device is delivered in a transport bag/box.



**SR EN 61230**

Parameter	Value						
Earthing S <sub>p</sub> and short-circuiting S <sub>f</sub> cable sections (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 short-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
Peak factor	2,5						
Short-circuiting cable length l <sub>f</sub> (m)	max. 1,5						
Earthing cable length l <sub>p</sub> (m)	max. 7						
Thickness of the bus bar on which the clamp can be applied (mm)	max. 37						

