

EARTHING AND SHORT-CIRCUITING DEVICES



Three-phased short-circuiting device for bus bars – automatic extruded clamp ("CAE")

Code: Msp - CAE - 3xS_f/I_f - S_p/I_p - P/p

The three-phased short-circuiting device is equipped with three automatic phase clamps (type "CAE") which can be fixed on bus bars in indoor substations. The "CAE" 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 three-phased short-circuiting device contains:

- automatic extruded 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 _p and short-circuiting S _f cable sections (mm ²)	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 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 I _f (m)	max. 1,5							
Short-circuiting cable length I (m)	max. 7							
Thickness of the bus bar on which the clamp can be applied (mm)	max. 36							

