



Single-phase / three-phase short-circuiting device for rectangular section bars

SR EN 61230



Code: Msp - C - S_p/I_p - P/p
Msp - CA - S_p/I_p - P/p

Msp - C - 3xS_p/I_p - S_p/I_p - P/p
Msp - CA - 3xS_p/I_p - S_p/I_p - P/p

Application: by mounting the phase clamps on the rectangular section bar, followed by the tightening of the clamp driving screw.
Classic / automatic phase clamps must be handled using an insulating stick according to the voltage of the installation, provided with "RO bayonet" coupling system.

Constructive shapes: *single-phase* or *three-phase*

Constructive types of phase clamps:

- ✓ Classic clamp (C)
- ✓ Automatic clamp (CA)

Components:

● **Single-phase short-circuiting device** consisting of:

- ▶ Phase clamp - 1 piece
- ▶ Earthing cable - 1 piece
- ▶ Earthing clamp - 1 piece

● **Three-phase short-circuiting device** consisting of:

- ▶ Phase clamp - 3 pieces
- ▶ Short-circuiting cable - 3 pieces
- ▶ Earthing cable - 1 piece
- ▶ Earthing clamp - 1 piece

Packing: waterproof bag

Related products:

- Multipurpose modular insulating stick type PMU 20-1 B/ba / PMU 110-2 B/ba (see page 10)



General technical characteristics of short-circuiting devices applicable on rectangular section bars

Earthing cable cross-section S _p (mm ²)	16	25	35	50	70	95	120
Nominal short-circuit current for t = 1 s I _{sc} (kA)	4	6,25	8,75	12,5	17,5	23,75	30
Shock (peak) nominal current for t = 0,02 s I _{sd} (kA)	10	15,63	21,9	31,25	43,75	59,38	75
Test short-circuit current for t = 1 s (kA)	4,6	7,2	10,06	14,38	20,13	27,31	34,5
Test (shock) current for t = 0,02 s (kA)	11,5	17,97	25,16	35,94	50,31	68,3	86,25
Power factor (according to SR EN 61230)							2,5

Phase clamp type	Classic clamp (C)	Automatic clamp (CA)
Short-circuiting cable length - three-phase short-circuiting device l _r (m)	max. 1,5	max. 1,5
Earthing cable length - single-phase / three-phase short-circuiting device l _p (m)	max. 8,5 / max. 7	max. 8,5 / max. 7
Thickness of the flat bar where the phase clamp can be mounted g (mm)	max. 40	max. 37



CLASSIC CLAMP (C)



AUTOMATIC CLAMP (CA)