



Single-phase / three-phase short-circuiting devices

- lightweight universal phase clamp with insulated handle - type CCRU/B or CCNU/B

SR EN 61230

Code: Msp - CCRU/B - S_p/I_p - S/O/P/p Msp - CCRU/B - 3xS_p/I_r - S_p/I_p - S/P/p
 Msp - CCNU/B - S_p/I_p - S/O/P/p Msp - CCNU/B - 3xS_p/I_r - S_p/I_p - S/P/p

Application: by mounting the clamp on the conductor / bar, followed by the tightening of the driving screw of the clamp with insulated handle.

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

Types of phase-clamps:

- ✓ Lightweight universal classic reduced clamp with insulated handle (CCRU/B)
- ✓ Lightweight universal classic normal clamp with insulated handle (CCNU/B)

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 pieces
- ▶ Earthing clamp - 1 piece

Packing: waterproof bag



SINGLE-PHASE SHORT-CIRCUITING DEVICE



THREE-PHASE SHORT-CIRCUITING DEVICE

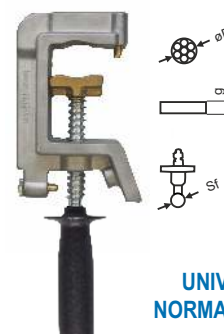
General technical characteristics for short-circuiting devices provided with CCRU/B and CCNU/B universal phase clamps

Phase clamp type	CCRU/B or CCNU/B				CCNU/B	
	max. 1					
Rated operating voltage U _n (kV)	max. 1					
Earthing cable cross-section S _p (mm ²)	16	25	35	50	70	95
Nominal short-circuit current for t = 1 s I _{sc} (kA)	4	6,25	8,75	12,5	17,5	23,75
Shock (peak) nominal current for t = 0,02 s I _{sd} (kA)	10	15,63	21,9	31,25	43,75	59,38
Test short-circuit current for t = 1 s (kA)	4,6	7,2	10,06	14,38	20,13	27,31
Test shock (peak) current for t = 0,02 s (kA)	11,5	17,97	25,16	35,94	50,31	68,3
Power factor (according to SR EN 61230)	2,5					

Phase clamp type	Lightweight universal classic reduced clamp (CCRU/B)	Lightweight universal classic normal clamp (CCNU/B)
Short-circuiting cable length I _r (m) - three-phase short-circuiting device	max. 2,5	max. 2,5
Earthing cable length I _p (m) - single-phase / three-phase short-circuiting device	max. 10 / max. 7,5	max. 10 / max. 7,5
Thickness of the flat bar where the phase clamp can be connected g (mm)	max. 30	max. 45
Diameter of the sphere-type coupling piece Sf (mm)	20 / 25	20 / 25
Diameter of the conductor where the phase clamp can be attached øD (mm)	4 ÷ 30	4 ÷ 36



UNIVERSAL CLASSIC REDUCED CLAMP (CCRU/B)



UNIVERSAL CLASSIC NORMAL CLAMP (CCNU/B)