Single-phase / three-phase sort-circuiting devices provided with universal clamps with 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_f/I_f - S_p/I_p - S/P/p**
Msp - CCNU/B - S_p/I_p - S/O/P/p **Msp - CCNU/B - 3xS_f/I_f - S_p/I_p - S/P/p**

Intended use: earthing of LV conductors / power bars of various shapes in power cells, cabinets, bays or distribution boxes.

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

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

Types of phase-clamps:
- ✔ **Classic universal reduced clamp with insulated handle** (**CCRU/B**)
- ✔ **Classic universal normal clamp with insulated handle** (**CCNU/B**)



SINGLE-PHASE SHORT-CIRCUITING DEVICE

Components:
The single-phased short-circuiting device includes the following components:
- **Phase clamp** - 1 piece
- **Earthing cable** – 1 piece
- **Manual earthing clamp** – 1 piece

The three-phase short-circuiting device includes the following components:
- **Phase clamp** - 3 pieces
- **Phase cable** - 3 pieces
- **Earthing cable** – 1 pieces
- **Manual earthing clamp** – 1 piece

Packing: waterproof bag.



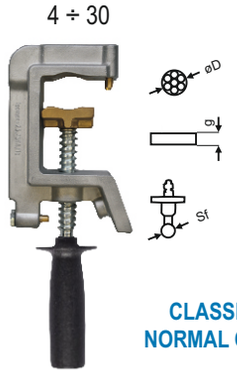
THREE-PHASE SHORT-CIRCUITING DEVICE

General technical characteristics for short-circuiting devices provided with CCRU/B and CCNU/B universal clamps						
Clamp type	CCRU/B or CCNU/B					CCNU/B
Rated operating voltage U_n (kV)	max. 1					max. 1
Earthing S_p cable cross-section (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	Classic universal reduced clamp (CCRU/B)	Classic universal normal clamp (CCNU/B)
Length of phase cables - three-phase short-circuiting device l_f (m)	max. 2,5	max. 2,5
Length of earthing cables - single-phase / three-phase short-circuiting device l_p (m)	max. 10 / max. 7,5	max. 10 / max. 7,5
Thickness of the flat bar where the phase clamp **g** can be connected (mm)	max. 30	max. 45
Diameter of the sphere-type coupling piece **Sf** (mm)	25	20 / 25
Diameter of the conductor where the phase clamp can be attached **øD** (mm)	4 ÷ 30	4 ÷ 36



CLASSIC UNIVERSAL REDUCED CLAMP (CCRU/B)



CLASSIC UNIVERSAL NORMAL CLAMP (CCNU/B)