



MOBILE EARTHING AND SHORT-CIRCUITING DEVICES

LOW VOLTAGE CABINETS, BAYS AND DISTRIBUTION BOXES

Short-circuiting for LV cabinets, bays and distribution boxes provided with HRC fuses

Code: Msp - 1 - Sp/lp - B00/p (single-phase) Msp - 1 - 3xSf/lf - Sp/lp - B00/p (three-phase)
Msp - 1 - Sp/lp - B/p (single-phase) Msp - 1 - 3xSf/lf - Sp/lp - B/p (three-phase)
Msp - 1 - Sp/lp - B1/p (single-phase) Msp - 1 - 3xSf/lf - Sp/lp - B1/p (three-phase)

SR EN 61230



Intended use: earthing and short-circuiting of **low-voltage power conductors** inside **cabinets, bays, and distribution boxes** with **high rupturing capacity fuse sockets**.

Application: manually, using a protective device for the handling of HRC fuses, by the insertion of strap-type phase clamps in the sockets where high rupturing capacity fuses have been extracted.

Constructive types: single-phase or three-phase.

Types of phase clamps - 3 size versions:

- ✓ Strap-type phase clamp, code **B00** – for SIST sockets size 00
- ✓ Strap-type phase clamp, code **B** – for SIST sockets size 0, 1, 2, 3
- ✓ Strap-type phase clamp, code **B1** – for sockets type PK 1 XL-1kV

Components:

The single-phase short-circuiting device includes the following components:

- Strap-type phase clamp - 1 piece
- Earthing cable – 1 piece
- Manual earthing clamp – 1 piece

The three-phase short-circuiting device includes the following components:

- Strap-type phase clamp - 3 pieces
- Phase cable - 3 pieces
- Earthing cable – 1 piece
- Manual earthing clamp – 1 piece

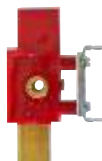
Other equipment that must be used:



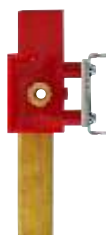
SINGLE-PHASE SHORT-CIRCUITING DEVICE



PHASE CLAMP FOR SIST SOCKETS
SIZE 00 (B00)



PHASE CLAMP FOR SIST SOCKETS
SIZE 0, 1, 2, 3 (B)



PHASE CLAMP FOR SIST SOCKETS
SIZE PK1 XL - 1kV (B1)



SINGLE PHASE SHORT-CIRCUITING DEVICE

Technical characteristics

Nominal operating voltage U_n (kV)	max. 1
Power factor (according to SR EN 61230)	2,5
Length of phase cables l_f (m) - three-phase short-circuiting device	max. 1,2
Length of earthing cables l_p (m) - three-phase short-circuiting device	max. 5,5
Length of earthing cables l_p (m) - single-phase short-circuiting device	max. 6,7

Technical characteristics	Short-circuiting devices for SIST sockets size 00 (B00)	Short-circuiting devices for SIST sockets size 0, 1, 2, 3 (B)	Short-circuiting devices for PK1 XL - 1kV (B1) sockets
Phase S_f and earthing S_p cable cross-section (mm ²)	16	16 25 35	16 25 35
Nominal short-circuit current for $t = 1$ s I_{sc} (kA)	4	3,5 6,25 8	4 6,25 8,75
Shock (peak) nominal current for $t = 0,02$ s I_{sd} (kA)	10	8,75 15,63 20	10 15,63 21,9
Test short-circuit current for $t = 1$ s (kA)	4,6	4 7,2 9,2	4,6 7,2 10,06
Test (peak) current for $t = 0,02$ s (kA)	11,5	10 17,97 23	11,5 17,97 25,16