



Three-phase short-circuiting device for 0,4 / 6 kV electric motors

SR EN 61230 **R**

Code: Msp - M - 3xS_r/I_r - S_p/I_p - S/p

Intended use: earthing of electrical motors terminal or of their power supply cables.

Application: manual, in two ways:

- ✓ by applying the phase terminals of short-circuiting devices to the supply cable lugs of motors,
- ✓ directly to the cable terminals of motor supply cables.

Components:

- Phase terminal – 3 pieces
- Fasteners (screws, Grower washers, nuts) – 3 sets
- Short-circuiting cable – 3 pieces
- Earthing cable – 1 piece
- Earthing clamp – 1 piece

Packing: waterproof bag



Technical characteristics							
Short-circuiting and earthing cable cross-section S _r , 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 (peak) current for t = 0,02 s (kA)	11,5	17,97	25,16	35,94	50,31	68,3	86,25
Power factor (according for SR EN 61230)	2,5						
Short-circuiting cable length l _r / earthing cable length l _p (m)	max. 2,5 / max. 7						
Preferential dimension of fasteners	M8	M8	M10	M10	M10	M12	M12
Optional dimensions of fateners (mm)	M10	M10	M8 M12	M8 M12	M8 M12	M10 M16	M10 M16

Upon the customer's demand, we manufacture earthing cables for various industrial installations or for railway or vehicles from multicore copper, highly flexible, class VI, according to SR EN 60228, protected with an insulating coating made of transparent plastic, extruded directly on the multicore conductor, as per SR EN 61138, provided at the ends with tinned copper terminals, fasteners and, if required, earthing clamps or mobile earthing rods.