



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

SR EN 61230 **R**

Code: Msp - M - 3xS<sub>i</sub>/I<sub>i</sub> - S<sub>p</sub>/I<sub>p</sub> - S/p

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

Application: manual, in two ways:

- ✓ by the application of phase terminals of short-circuiting devices to the supply cable terminals 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
- Manual earthing clamp – 1 piece

Packing: waterproof bag.



Technical characteristics

Phase S <sub>i</sub> and earthing S <sub>p</sub> cable cross-section (mm <sup>2</sup> )	16	25	35	50	70	95	120
Nominal short-circuit current for t = 1 s I <sub>sc</sub> (kA)	4	6,25	8,75	12,5	17,5	23,75	30
Shock (peak) nominal current for t = 0,02 s I <sub>sd</sub> (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						
Length of the phase cable I <sub>i</sub> / maximum length of the earthing cable I <sub>p</sub> (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 rolling stock 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 stannate copper terminals, fasteners and if required classic manual clamps or earthing electrodes.