

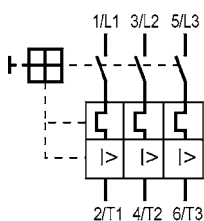
MOTOR PROTECTIVE CIRCUIT BREAKERS MS/BS

acc. to IEC 60947-4-1, UL 508

The MS motor protective circuit breakers offer optimal protection for motors and other loads up to 32 A, due to its high breaking capacity with strongly limited current.

They are equipped with phase failure sensitivity, isolating and main switch functions; 14 ranges are covering nominal rated currents from 0.1 up to 32 A.

The MPCBs are self protected up to 6.3 A at 400 V. Ranges > 6.3 A provide a short circuit withstand rating of 6 kA. The MPCBs are temperature compensated; the actuating current of the short circuit trip is $12 \times I_n$.



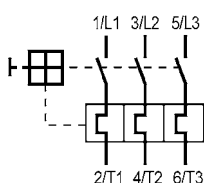
FILE E 137938



RATED CURRENT A	MAX. RATED OPERATING POWER (kW/AC 3)			OPERATING CURRENT SHORT CIRCUIT TRIP (A)	ITEM NO.	WEIGHT g/EACH	PACKING UNIT
	400/415 V	500 V	690 V				

MS with overload and short circuit tripping							
Phase failure sensitivity							
0.1 – 0.16	–	–	0.06	1.92	MS016	250	1
0.16 – 0.25	0.06	0.06	0.12	3	MS025	250	1
0.25 – 0.4	0.09	0.12	0.18	4.8	MS04	250	1
0.4 – 0.63	0.12	0.18	0.25	7.6	MS063	250	1
0.63 – 1	0.25	0.37	0.55	12	MS1	250	1
1 – 1.6	0.55	0.75	1.1	19.2	MS1.6	250	1
1.6 – 2.5	0.75	1.1	1.5	30	MS2.5	250	1
2.5 – 4	1.5	2.2	3	48	MS4	250	1
4 – 6.3	2.2	3	4	75.6	MS6.3	250	1
6.3 – 10	4	5.5	7.5	120	MS10	250	1
10 – 16	7.5	9	12.5	192	MS16	250	1
16 – 20	9	12.5	15	240	MS20	250	1
20 – 25	12.5	15	22	300	MS25	250	1
25 – 32	15	18.5	–	384	MS32	250	1

*32 A without VDE, without UL-approval



RATED CURRENT A	MAX. RATED OPERATING POWER (kW/AC 3)			OPERATING CURRENT SHORT CIRCUIT TRIP (A)	ITEM NO.	WEIGHT g/EACH	PACKING UNIT
	400/415 V	500 V	690 V				

0.4 – 0.63	0.12	0.18	0.25		BS063	230	1
0.63 – 1	0.25	0.37	0.55		BS1	230	1
1 – 1.6	0.55	0.75	1.1		BS1.6	230	1
1.6 – 2.5	0.75	1.1	1.5		BS2.5	230	1
2.5 – 4	1.5	2.2	3		BS4	230	1
4 – 6.3	2.2	3	4		BS6.3	230	1
6.3 – 10	4	5.5	7.5		BS10	230	1
10 – 16	7.5	9	12.5		BS16	230	1
16 – 20	9	12.5	15		BS20	230	1
20 – 25	12.5	15	22		BS25	230	1
25 – 32	15	18,5	-		BS32	230	1

*32 A without VDE-approval