



## AC METALLIZED POLYPROPYLENE FILM CAPACITORS FOR MOTOR APPLICATIONS IN PLASTIC CASE

- Version 1 and 2 - capacitor with fast-on terminals 6,3x0,8 in versions A,B,C according to PN-EN 61210.  
Version 3 and 4 - capacitor with two-core cable lead in versions A,B.  
Version 5 and 6 - capacitor with soldering terminals 3x0,8  
Version 7 and 8 - capacitor with two single-core cable leads in versions A i B.

### NOTE:

1. Misalignment of terminals in relation to the capacitor axis may occur in versions 3; 4; 7; 8.
2. Other lengths of leads are available upon prior agreement.

### APPLICATION:

The MKSP-I17 capacitors are intended for use in a.c. circuits with the frequency of 50Hz. They are mainly used in single-phase electric motors as running capacitors. The capacitors have plastic case.

The MKSP-I17 capacitors can be used with a d.c. voltage not exceeding the following value:  $V_{dc} = \sqrt{2} * U_n$

Application class (acc. to EN 60252-1 and VDE 0560 part 8):

- for 400V~ B
- for 450V~ C
- for 500V~ D

- B - expected life 10 000 h
- C - expected life 3 000 h
- D - expected life 1 000 h

### TECHNICAL DATA:

- Tolerance,dimensions capacitance: - acc.to drawing and table,
- Climatic category: - 40/085/21,
- Dissipation factor: -  $\leq 0.003$  at  $f = 50\text{Hz}$ ,
- Dielectric strength
  - between terminals: -  $2U_R / 50\text{Hz} - 60\text{s}$ ,
  - between terminals and case: -  $2000\text{V} / 50\text{Hz} - 60\text{s}$ ,
- Case: - plastic,
- Safety class: - S0,
- Standards: - EN 60252-1, VDE 0560 part 8.

This product fulfills the requirements of the RoHS Directive (2011/65/UE).



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Rated capacitance $C_N$	Capacitance tolerance	Rater voltage, class	Dimensions											
			Ver.1A,2A		Ver.1B,2B		Ver. 2C		Ver.5, 6		Ver.3A i 3B, 7A i 7B		Ver. 4A i 4B, 8A i 8B	
			D <sup>+1</sup>	L <sup>+3</sup> <sub>-2</sub>	D <sup>+1</sup>	L <sup>+3</sup> <sub>-2</sub>	D <sup>+1</sup>	L <sup>+3</sup> <sub>-2</sub>	D <sup>+1</sup>	L <sup>+3</sup> <sub>-2</sub>	D <sup>+1</sup>	L <sup>+3</sup> <sub>-2</sub>	D <sup>+1</sup>	L <sup>+3</sup> <sub>-2</sub>
μF	%	V~	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
1	±5% ±10%	400V~B 450V~C 500V~D	25	58	25	58	-	-	25	58	25	51	25	58
1,5			-	-	-	-	-	-	-	24	36	-	-	
1,5			25	58	25	58	-	-	25	58	25	51	25	53
2			-	-	-	-	-	-	-	-	24	36	-	-
2			25	58	25	58	-	-	25	58	25	51	25	53
2,5			-	-	-	-	-	-	-	-	24	42	-	-
2,5			25	58	25	58	-	-	25	58	25	51	25	53
3			-	-	-	-	-	-	-	-	24	42	-	-
3			25	58	25	58	-	-	25	58	25	51	25	53
3,5			-	-	-	-	-	-	-	-			-	-
4			-	-	-	-	-	-	-	-	25	51	-	-
4			25	58	25	58	-	-	25	58			25	53
5			-	-	-	-	-	-	-	-	28	51	-	-
5			30	58	30	58	-	-	30	58			30	53
6			-	-	-	-	-	-	-	-	30	51	-	-
6			30	58	30	58	-	-	30	58			53	53
7			30	58	30	73	-	-	30	73	30	65	30	65
7,5			-	-	-	-	-	-	-	-			56	-
8			-	-	-	-	-	-	-	-	35	55	30	65
8			30	73	30	73	-	-	30	73			65	30
8			-	-	-	-	-	-	-	-	35	55	35	55
9			30	73	30	73	-	-	30	73			30	65
10			-	-	-	-	-	-	-	-	35	55	35	55
10			30	73	30	73	-	-	30	73			30	65
10			-	-	-	-	-	-	-	-	35	55	-	-
12			35	65	35	65	-	-	35	65			35	65
14			-	-	-	-	-	-	-	-	40	65	-	-
16			-	-	-	-	-	-	-	-			78	78
18			-	-	-	-	-	-	-	-	40	65	40	65
18			35	83	35	83	-	-	35	83			35	78
20			-	-	-	-	-	-	-	-	40	65	40	65
20			40	83	40	83	-	-	40	83			40	78
22			-	-	-	-	-	-	-	-	45	67	-	-
25			-	-	-	-	-	-	-	-			67	67
30			45	83	45	83	-	-	45	83	45	78	45	78
30			-	-	-	-	-	-	-	-			78	78
32			-	-	-	-	-	-	-	-	50	50	50	50
35			50	50	50	50	-	-	50	50			50	50
40			45	83	45	83	-	-	45	83	45	119	45	119
45			-	-	-	-	-	-	-	-			119	119
50	50	119	50	119	-	-	50	119	55	119	50	119		
50	-	-	-	-	-	-	-	-			119	119	119	119
60	-	-	-	-	-	-	-	-	55	119	-	-		
70	-	-	-	-	-	-	-	-			55	119	55	119
75	50	119	50	119	-	-	50	119	55	119	50	119		
80	-	-	-	-	-	-	-	-			119	119	119	119
90	-	-	-	-	-	-	-	-	55	119	-	-		
100	-	-	-	-	55	119	55	119			55	119	55	119



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			D <sup>+1</sup>	L <sup>+3</sup> <sub>-2</sub>	D <sup>+1</sup>	L <sup>+3</sup> <sub>-2</sub>	D <sup>+1</sup>	L <sup>+3</sup> <sub>-2</sub>	D <sup>+1</sup>	L <sup>+3</sup> <sub>-2</sub>	D <sup>+1</sup>	L <sup>+3</sup> <sub>-2</sub>	D <sup>+1</sup>	L <sup>+3</sup> <sub>-2</sub>
μF	%	V~	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
110	±5% ±10%	400V~B 450V~C 500V~D	-	-	-	-	60	119	60	119	-	-	60	119
120			-	-	-	-	65		65		-	-	65	
130			-	-	-	-		-		-	-	-		
140			-	-	-	-	-	-	-	-				
150			-	-	-	-	-	-	-	-				