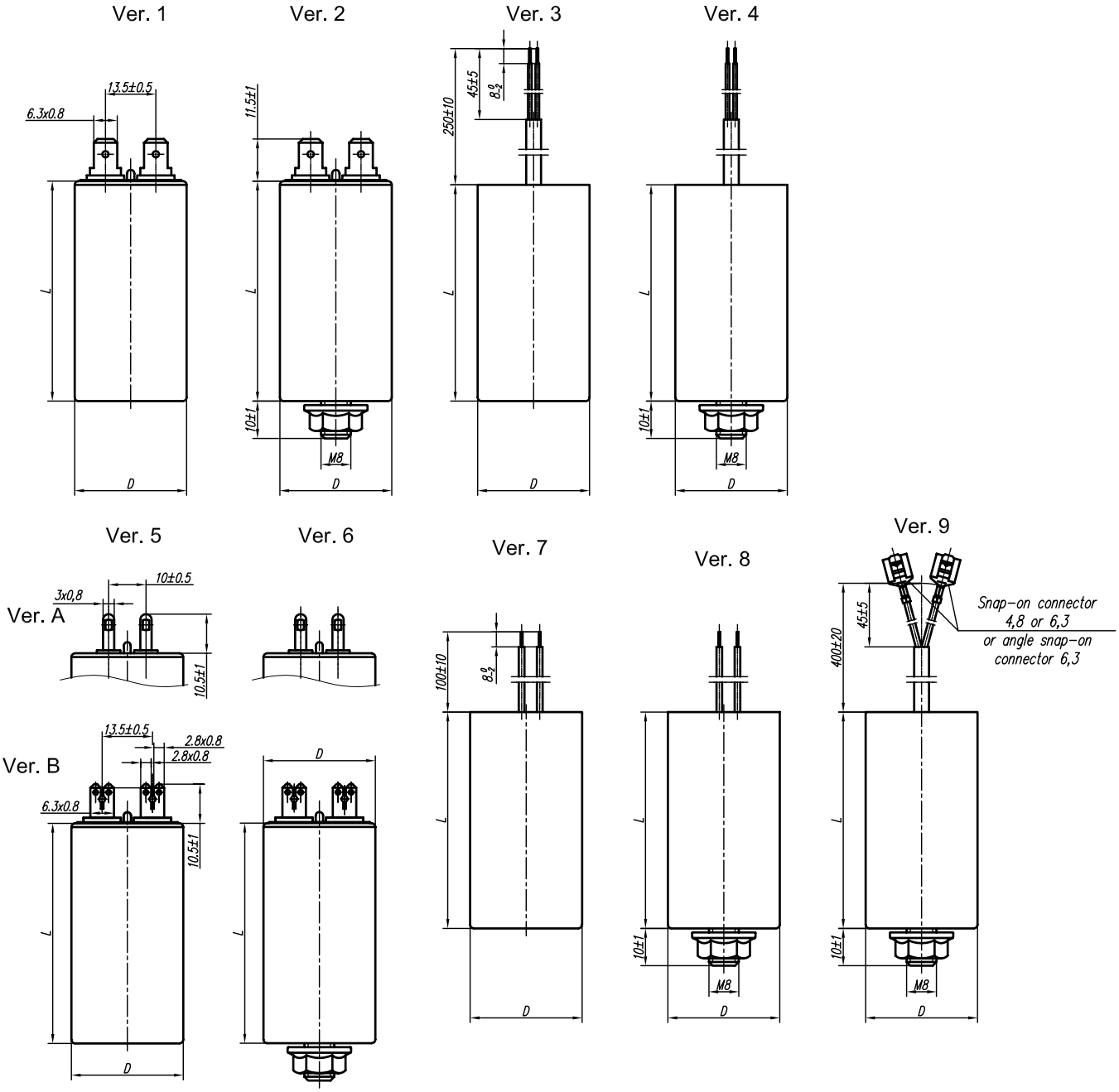
ISO 9001:2000
KEMA
Nr 51810

MKSP-5P

AC METALLIZED POLYPROPYLENE FILM CAPACITORS FOR MOTOR APPLICATIONS



Version 1 and 2 - capacitor with fast-on terminals according to PN-EN 61210.
Version 3 and 4 - capacitor with two-core cable lead according to PN-91/E-90103.
Version 5 and 6 - capacitor versions:
A - with soldering terminals 3x0,8
B - with tabs 2x 2,8x0,8 (6,3x0,8)
Version 7 and 8 - capacitor with two single-core cable leads.
Version 9 - 2; 2,5; 3; 4; 5μF capacitors with ±10% tolerance and H05V2V2-F 300/500V 2x0,75mm² black insulated leads with VDE certificate with 4,8-075U T85 or 6,3-075U T85 snap-on connector or angle snap-on connector FH 6,3×0,8-Ms (upon prior agreement).

NOTE:
1. Misalignment of terminals in relation to the capacitor axis may occur in versions 3; 4; 7; 8 and 9; other lengths of leads is available upon prior agreement.

APPLICATION:
The MKSP-5P 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. Tha capacitors have plastic case.
The MKSP-5P capacitors can be used with a d.c. voltage not exceeding the following value: $V_{dc} = \sqrt{2} * U_n$

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Application class (acc. to EN 60252-1 and VDE 0560 part 8):
- B - expected life 10000h (HSFNT*)
- C - expected life 3000h (HSFPU*)
- D - expected life 1000h (HSFQV*)

* - previous symbols

TECHNICAL DATA:

- Climatic category: - 25/070/21,
- Dissipation factor: - ≤0.003 at f = 50Hz,
- Dielectric strength
  - between terminals: - 2UR - 60s,
  - between terminals and case: - min. 2000V / 50Hz - 60s,
- Standards: - EN 60252-1, VDE 0560 part 8
- Specifications: - WT-96/MIFLEX/MKSP-5P,
- Approval mark: - VDE.

This product fulfils the requirements of the RoHS Directive (2002/95/EC).

Rated capacitance C_N	Capacitance tolerance	Rated voltage, class	Dimensions								VDE approval for voltage and class
			Ver. 1,2,5,6		Ver. 3,7		Ver. 4,8		Ver. 9		
			D^{+1}	L^{+3}_{-2}	D^{+1}	L^{+3}_{-2}	D^{+1}	L^{+3}_{-2}	D^{+1}	L^{+3}_{-2}	
µF	%	V~	mm	mm	mm	mm	mm	mm	mm	mm	
2	±5 ±10	450V~ B 500V~ D	25	58	25	51	25	53	25	58	450V~ C VDE 500V~ D VDE
2,5											
3											
4											
5			30		28	51	30		30	83	
6					30	53			-	-	
7				83		78		78			
7,5											
8			35	65	35	65	35	65			
			-	-	35	55	35	55			
9			30	83	30	78	30	78			
			35	65	35	65	35	65			
10			30	83	30	78	30	78			
			-	-	40	55	40	55			
12			35	65	35	65	35	65			
				83	35	78	35	78			
				65		65		65			
14				83		78		78			
				65		65		65			
16				83		78		78			
18			40		40		40				
20											
22											
25			45		45		45				
30		450V~ B									-
32			50		50		50				
35											
40			45	119	45	114	45	114			
45											
50											
30		500V~ D									
32			50		50		50				
35											
40											