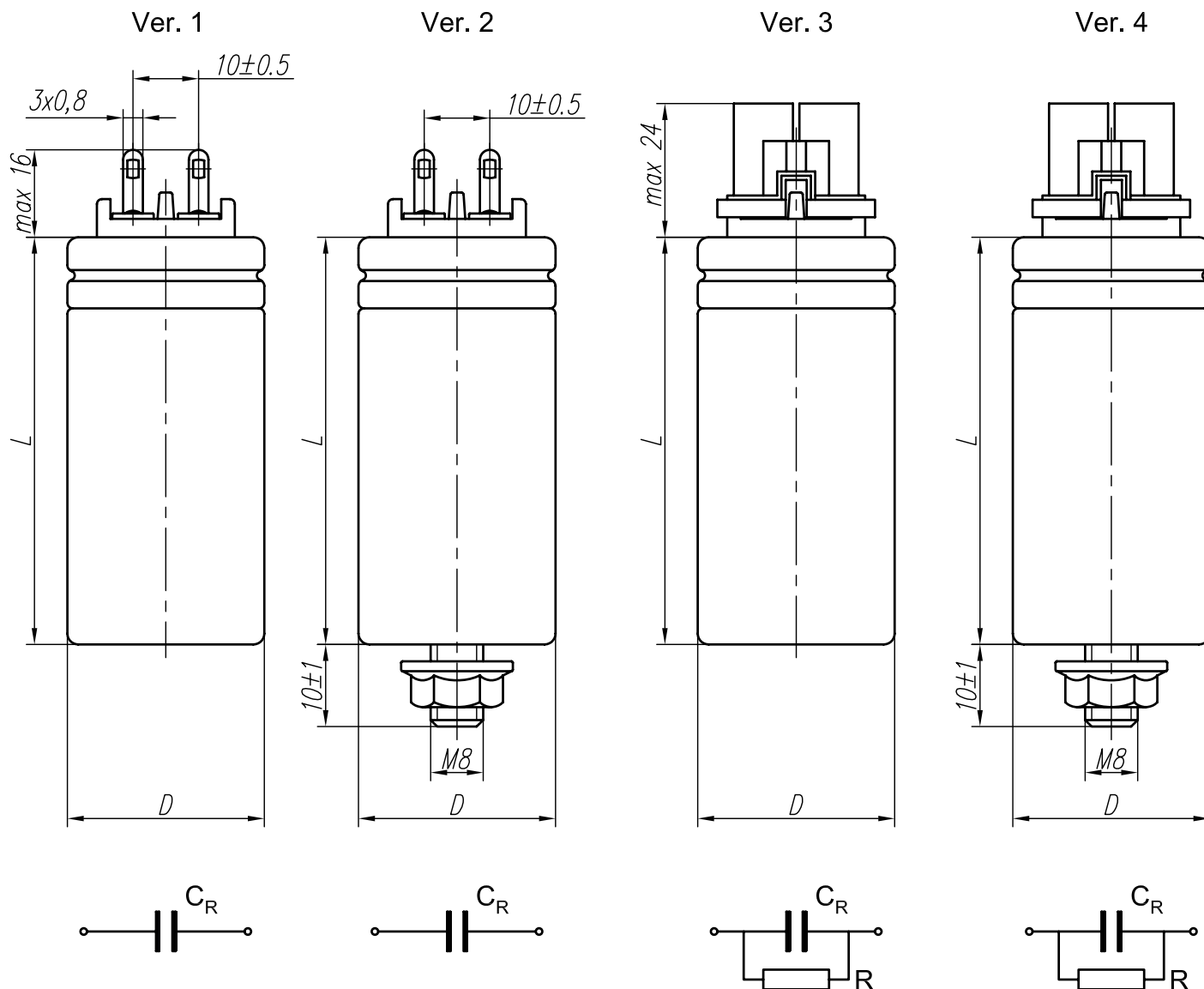


## AC METALLIZED POLYPROPYLENE FILM CAPACITORS FOR USE IN DISCHARGE LAMP CIRCUITS (TYPE B)



### APPLICATION

The MKSP-I60 capacitors (type B) are intended to use in a.c. circuits with a frequency of 50+60Hz, particularly in the circuits of discharge lamps (eg. fluorescent lamps, sodium-vapour lamps, etc) as parallel capacitors. These capacitors are characterized by low inductance, reliable contact, and self-healing ability. The winding element is placed into aluminium case. The MKSP-I60 capacitors (type B) have overpressure safety break-action mechanism, which to ensure a proper operation requires a free distance of at least 10mm above the terminals. In case of failure or end of the capacitor's useful service life, the pressure may rise inside the capacitor. With the rising pressure, the case begins to expand by opening the fold crimp. As a result, the connecting wires inside the capacitor are separated and the current path is interrupted irreversibly. This way, the capacitor is disconnected from the mains, and no conducting or burning parts can escape from inside the capacitor. Depending on capacitor version, the terminals are either soldering terminals or a connector with discharging resistor; the connector is suitable for assembling of wire with a cross section of  $0.5 \div 1.5\text{mm}^2$ .

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## AC METALLIZED POLYPROPYLENE FILM CAPACITORS FOR USE IN DISCHARGE LAMP CIRCUITS (TYPE B)

### TECHNICAL DATA

- Capacitance tolerance: - ±5%, ±10%,
  - Rated voltage: - 250V / 50÷60Hz,
  - Climatic category: - 40/100/10,
  - Relative humidity in capacitor environment at 20 ± 25 °C: - 75% (annual average)  
- 95% (max value within 30 days)
- No vapour condensation on the capacitor surface is allowed.
- Dissipation factor (tgδ): - ≤0,003 at f = 50Hz,
  - Dielectric strength - 2U<sub>N</sub> - 60s,
    - between terminals: - 2kV / 50Hz - 60s,
    - between terminals connected together and case: - PN-EN 61048 and PN-EN 61049.

- The capacitors meet the requirements of:

This product fulfils the requirements of RoHS (2011/65/EC).

Rated capacitance	Capacitor dimensions		Rated capacitance	Capacitor dimensions	
	D <sub>0</sub> <sup>+1</sup>	L±2		D <sub>0</sub> <sup>+1</sup>	L±2
μF	mm	mm	μF	mm	mm
2	25	62	15	35	74
2,5					
3					
3,5					
4					
4,5					
5					
6					
6,5					
7					
7,5	30	74	18	40	87
8					
8	25	74	20	40	100
9	30	74	22,5		
10			25		
11			30		
12			32		
12,5			35		
13			40		
13,5			45		
14			60		

Other dimensions and capacitance values within the given range are available at customer's request.



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