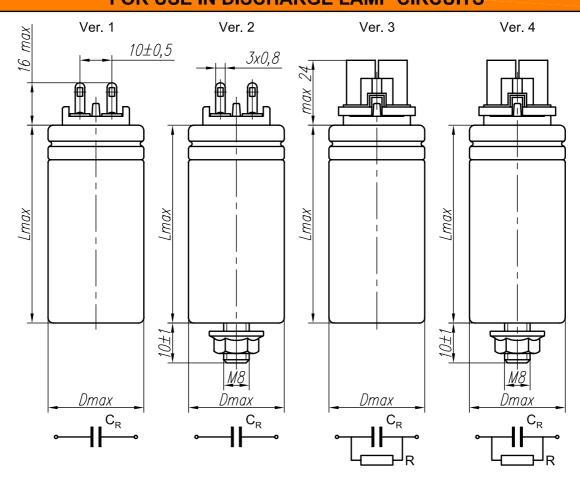
AC METALLIZED POLYPROPYLENE FILM CAPACITORS FOR USE IN DISCHARGE LAMP CIRCUITS



APPLICATION

The MKSP-025 capacitors are intended for use in AC circuits for $450V^{\sim}$ with a frequency of 50Hz, particularly in the circuits of fluorescent discharge lamps(fluorescent and sodium-vapour lamps,etc) as series lamps. These capacitors are characterized by low inductance, reliable contact and self-healing ability. They have pressure sensitive device that interrupts the internal connection in case of overpressure inside the capacitor caused by its failure or the end of its service life. In order to ensure proper operation of break-action mechanism, a clearance of at least 10mm must be provided above the capacitor af it has been mounted. Depending on capacitor version, the capacitor leads are designed as soldering terminals or connector with discharge resistor. The connector is designet to accept the wire leades with the cross-sectional area of $0.5 \div 1.5$ mm². The capacitors are housed in aluminium can.

TECHNICAL DATA

- Climatic category:
- Rated voltage:Dissipation factor:
- Dissipation factor.
- Dielectric strength
- between terminals:
 - between terminals and case:
- The capacitors meet requirements of:

- 40/085/21.
- 450V / 50-60Hz.
- ≤0.003 at f = 50Hz/450V~
- 2UR 60s,
- 2,5 kV / 50Hz 60s,
- EN 61048 and EN 61049.

SAFETY APPROVALS

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

⊕ MIFLEX S.A.

ZAKŁADY PODZESPOŁÓW RADIOWYCH GRUNWALDZKA 3, 99-300 KUTNO, POLAND

Telephone: +48 24 355 11 00 Fax: +48 24 355 11 88 e-mail: miflexsa@miflex.com.pl Revision date 10.07.2020

Page 1/2

MKSP-025

AC METALLIZED POLYPROPYLENE FILM CAPACITORS FOR USE IN DISCHARGE LAMP CIRCUITS

Rated	Version	Capacitance tolerance	Rated voltage	Dimensions	
capacitance	A C121011			L _{max}	D _{max}
μF	-	%	VAC	mm	mm
2,7	1 ÷ 4	<u>±</u> 4	450	64	31
2,9					
3,2					
3,4					
3,6					
3,75					
5,3				70	
5.8				76	



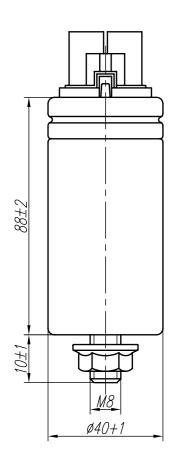
ZAKŁADY PODZESPOŁÓW RADIOWYCH GRUNWALDZKA 3, 99-300 KUTNO, POLAND

Telephone: +48 24 355 11 00 Fax: +48 24 355 11 88 e-mail: miflexsa@miflex.com.pl Revision date 10.07.2020

Page 2/2

MKSP-025

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



Ver. 4 20µF

TECHNICAL DATA

- Capacitance tolerance:
- Rated voltage:
- Climatic category:
- Relative humidity in capacitor environment at 20 ÷ 25 °C:

No vapour condensation on the capacitor surface is allowed.

- Dissipation factor (tgδ):
- Dielectric strength

between terminals:

between terminals connected

together and case:

-dV/dt:

- The capacitors meet the requirements of:

- ±5%.

- 450V / 50-60Hz,

- 40/085/10,

- 75% (annual average)

- 95% (max value within 30 days)

- ≤0,0015at f = 50Hz,

- 2U_N - 2sec.,

- 2.5kV / 50Hz - 2sec.,

- ≤20V/µsec.

- PN-EN 61048 and PN-EN 61049.

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

APPLICATION

The MKSP-025 capacitors (type B) are intended to use in a.c. circuits with a frequency of 50Hz, particulary in the circuits of discharge lamps (eg. fluorescent lamps, sodium-vapour lamps, etc). These capacitors are characterized by low inductance, reliable contact, and self-healing ability. The winding element is placed into aluminium case. The MKSP-025 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. Capacitor terminal is a WAGO connector with resistor. Terminal is fitted for assembly of solid wires with the cross-section of 0.5 ÷ 1.5mm².



ZAKŁADY PODZESPOŁÓW RADIOWYCH GRUNWALDZKA 3, 99-300 KUTNO, POLAND Telephone: +48 24 355 11 00 ÷ 02

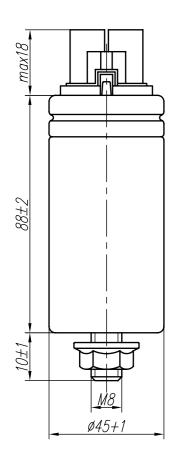
Fax: +48 24 355 11 88
e-mail: miflex@miflex.com.pl

Index-I140V620I-D00

Revision date 10.07.2020

1KSP-025

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



Ver. 4 22µF

TECHNICAL DATA

- Capacitance tolerance:
- Rated voltage:
- Climatic category:
- Relative humidity in capacitor environment at 20 ÷ 25 °C:

No vapour condensation on the capacitor surface is allowed.

- Dissipation factor (tgδ):
- Dielectric strength

between terminals:

between terminals connected together and case:

-dV/dt

- The capacitors meet the requirements of:

- ±5%.

- 450V / 50-60Hz,

- 40/085/10,

- 75% (annual average)

- 95% (max value within 30 days)

- \leq 0,0015 at f = 50Hz,

- 2U_N - 2sec.,

- 2,5 kV / 50Hz - 2sec.,

- ≤20V/µsec.

- PN-EN 61048 and PN-EN 61049.

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

APPLICATION

The MKSP-025 capacitors (type B) are intended to use in a.c. circuits with a frequency of 50Hz, particulary in the circuits of discharge lamps (eg. fluorescent lamps, sodium-vapour lamps, etc).

These capacitors are characterized by low inductance, reliable contact, and self-healing ability. The winding element is placed into aluminium case.

The MKSP-025 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.

Capacitor terminal is a WAGO connector with resistor. Terminal is fitted for assembly of solid wires with the cross-section of 0.5 ÷ 1.5mm².



ZAKŁADY PODZESPOŁÓW RADIOWYCH GRUNWALDZKA 3, 99-300 KUTNO, POLAND +48 24 355 11 00 Telephone:

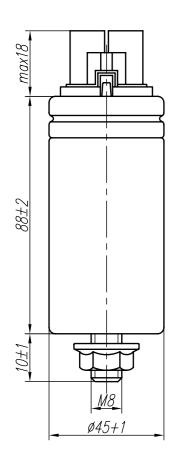
+48 24 355 11 88 Fax: e-mail: miflexsa@miflex.com.pl Index - I140V622I-D

Revision date 10.07.2020



MKSP-025

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



Ver. 4 25µF

TECHNICAL DATA

- Capacitance tolerance:
- Rated voltage:
- Climatic category:
- Relative humidity in capacitor environment at 20 ÷ 25 °C:

No vapour condensation on the capacitor surface is allowed.

- Dissipation factor (tgδ):
- Dielectric strength

between terminals:

between terminals connected together and case:

-dV/dt:

- The capacitors meet the requirements of:

- ±5%.

- 450V / 50-60Hz,

- 40/085/10,

- 75% (annual average)

- 95% (max value within 30 days)

- ≤0,0015at f = 50Hz,

- 2U_N - 2sec.,

- 2.5 kV / 50Hz - 2sec.,

- ≤20V/µsec.

- PN-EN 61048 and PN-EN 61049.

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

APPLICATION

The MKSP-025 capacitors (type B) are intended to use in a.c. circuits with a frequency of 50Hz, particulary in the circuits of discharge lamps (eg. fluorescent lamps, sodium-vapour lamps, etc). These capacitors are characterized by low inductance, reliable contact, and self-healing ability. The winding element is placed into aluminium case. The MKSP-025 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. Capacitor terminal is a WAGO connector with resistor. Terminal is fitted for assembly of solid wires with the cross-section of 0.5 ÷ 1.5mm².



GRUNWALDZKA 3, 99-300 KUTNO, POLAND Telephone: +48 24 355 11 00

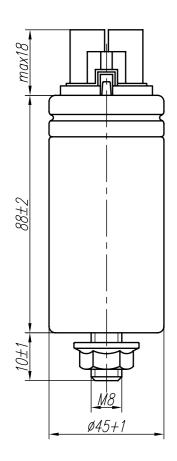
Fax: +48 24 355 11 88
e-mail: miflexsa@miflex.com.pl

Index - I140V625I-D

Revision date 10.07.2020

MKSP-025

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



Ver. 4 28µF

TECHNICAL DATA

- Capacitance tolerance:
- Rated voltage:
- Climatic category:
- Relative humidity in capacitor environment at 20 ÷ 25 °C:

No vapour condensation on the capacitor surface is allowed.

- Dissipation factor (tgδ):
- Dielectric strength

between terminals:

between terminals connected together and case:

-dV/dt:

- The capacitors meet the requirements of:

- ±5%.

- 450V / 50-60Hz,

- 40/085/10,

- 75% (annual average)

- 95% (max value within 30 days)

- ≤0,0015at f = 50Hz,

- 2U_N - 2sec.,

- 2.5 kV / 50Hz - 2sec.,

- ≤20V/µsec.

- PN-EN 61048 and PN-EN 61049.

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

APPLICATION

The MKSP-025 capacitors (type B) are intended to use in a.c. circuits with a frequency of 50Hz, particulary in the circuits of discharge lamps (eg. fluorescent lamps, sodium-vapour lamps, etc). These capacitors are characterized by low inductance, reliable contact, and self-healing ability. The winding element is placed into aluminium case. The MKSP-025 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 4 wire with a cross section of 0.5 ÷ 1.5mm².



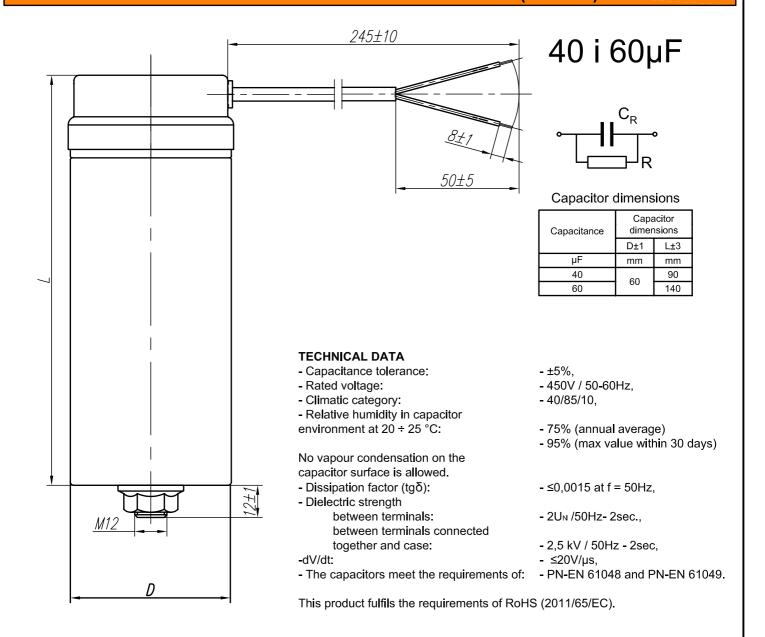
ZAKŁADY PODZESPOŁÓW RADIOWYCH GRUNWALDZKA 3, 99-300 KUTNO, POLAND Telephone: +48 24 355 11 00

Fax: +48 24 355 11 88
e-mail: miflexsa@miflex.com.pl

Index - I140V628I-D

Revision date 10.07.2020

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



APPLICATION

The MKSP-025 capacitors (type B) are intended to use in a.c. circuits with a frequency of 50Hz, particulary in the circuits of discharge lamps (eg. fluorescent lamps, sodium-vapour lamps, etc). These capacitors are characterized by low inductance, reliable contact, and self-healing ability. The winding element is placed into aluminium case. The MKSP-025 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. The capacitor terminal is a 0,75mm² coated copper pair wire.



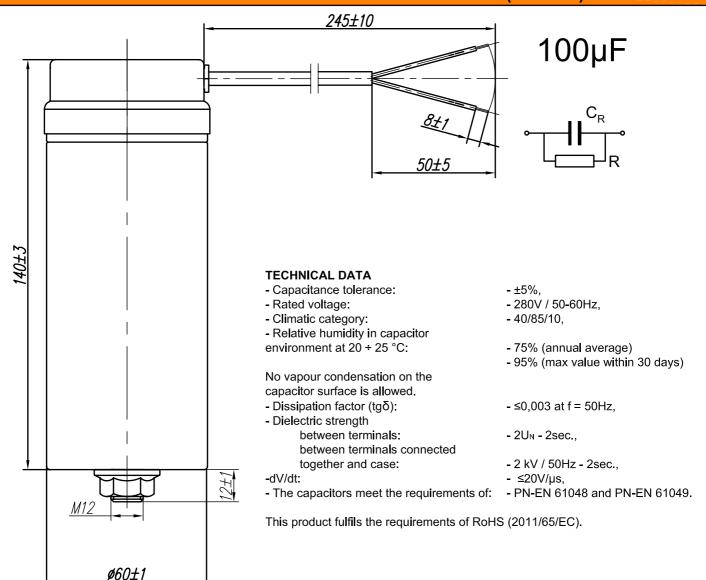
ZAKŁADY PODZESPOŁÓW RADIOWYCH 99-300 KUTNO, uJ.GRUNWALDZKA 3 Telefon: +48 24 355 11 00

+48 24 355 11 88 Fax: e-mail: miflexsa@miflex.com.pl Index-I140V6...-B

Data aktualizacji 10.07.2020

Strona

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



APPLICATION

The MKSP-025 capacitors (type B) are intended to use in a.c. circuits with a frequency of 50Hz, particulary in the circuits of discharge lamps (eg. fluorescent lamps, sodium-vapour lamps, etc). These capacitors are characterized by low inductance, reliable contact, and self-healing ability. The winding element is placed into aluminium case. The MKSP-025 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. The capacitor terminal is a 0,75mm² coated copper pair wire.



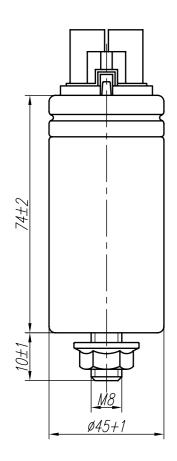
ZAKŁADY PODZESPOŁÓW RADIOWYCH GRUNWALDZKA 3, 99-300 KUTNO, POLAND Telephone: +48 24 355 11 00 ÷ 02

Fax: +48 24 355 11 88
e-mail: miflexsa@miflex.com.pl

Index-I140U700I-B

Revision date 10.07.2020

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



Ver. 4 15 i 16µF

TECHNICAL DATA

- Capacitance tolerance:
- Rated voltage:
- Climatic category:
- Relative humidity in capacitor environment at 20 ÷ 25 °C:

No vapour condensation on the capacitor surface is allowed.

- Dissipation factor ($tg\delta$):
- Dielectric strength

between terminals: between terminals connected

together and case:

-dV/dt:

- The capacitors meet the requirements of:

- ±5%.

- 480V / 50-60Hz,

- 40/085/10,

- 75% (annual average)

- 95% (max value within 30 days)

 $- \le 0,0015$ at f = 50Hz,

- 2U_N /50Hz-2sec.,

- 2,5kV / 50Hz - 2sec.,

- ≤20V/µsec.

- PN-EN 61048 and PN-EN 61049.

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

APPLICATION

The MKSP-025 capacitors (type B) are intended to use in a.c. circuits with a frequency of 50-60Hz, particulary in the circuits of discharge lamps (eg. fluorescent lamps, sodium-vapour lamps, etc). These capacitors are characterized by low inductance, reliable contact, and self-healing ability. The winding element is placed into aluminium case. The MKSP-025 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. Capacitor terminal is a WAGO connector with resistor. Terminal is fitted for assembly of solid wires with the cross-section of 0.5 ÷ 1.5mm².



ZAKŁADY PODZESPOŁÓW RADIOWYCH GRUNWALDZKA 3, 99-300 KUTNO, POLAND Telephone: +48 24 355 11 00

Fax: +48 24 355 11 88
e-mail: miflexsa@miflex.com.pl

Index -I140X6...

Revision date: 10.07.2020