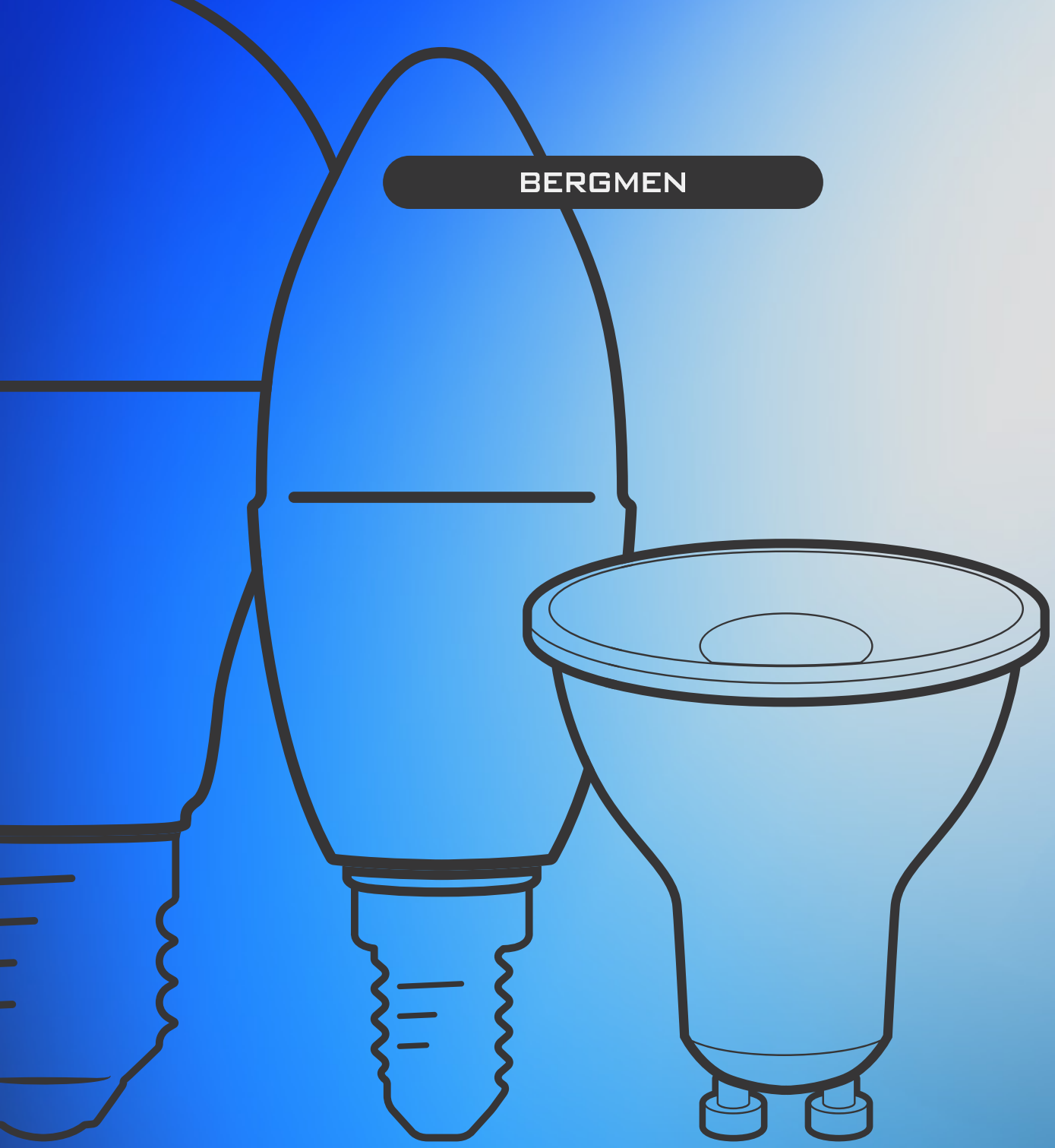
BERGMEN



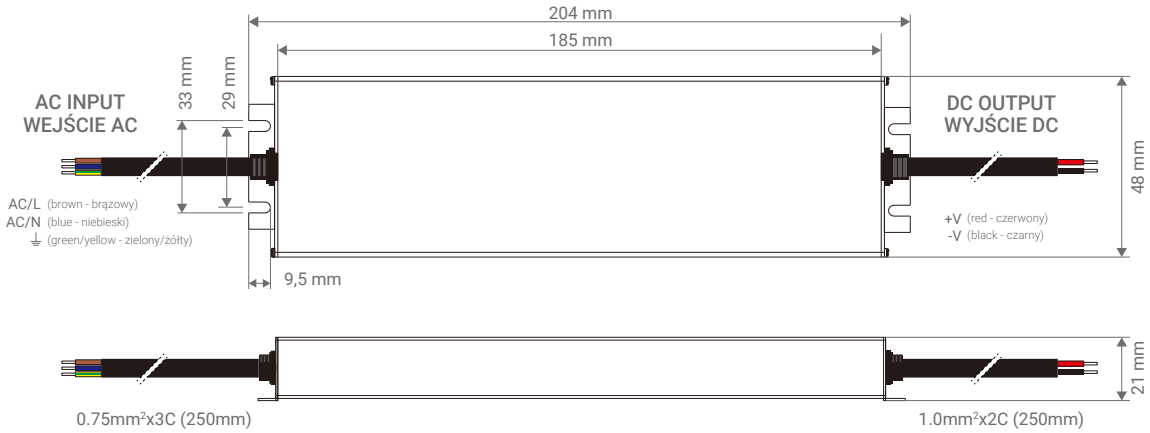
Technical booklet

Power supplies
WOG series

WOG 4524

Product code: 01-009-017-045





Input parameters:

- Voltage: **100-277 V AC**
- Frequency: **50~60 Hz**
- Current: **0.66 A / 100 V AC**
- Inrush current: **50A / 230VAC**
- Leakage current: **0.5mA / 230VAC**
- No-load power consumption: **<0.5W**
- Power factor (PF): **>0.96 / 230VAC**

Output parameters:

- Voltage: **24 V DC**
- Current: **1.875 A**
- Rated power: **45 W**
- Voltage ripple: **<250mVp-p**
- Voltage rise and stabilization time: **320ms, 11ms / 230VAC**
- Load-dependent voltage accuracy: **-**
- Voltage accuracy dependent on input parameters: **-**
- Overall voltage accuracy: **-**

Environmental parameters:

- Operating temperature & humidity: **ta: -30°C~ 50°C tc: 80°C, 20 ~ 99% RH**
- Storage temperature & humidity: **-40°C ~ 80°C, 10~95% RH**
- Maximum case temperature: **80°C**

Additional information:

- Ingress protection rating: **IP67**
- Dimensions: **185 (204) x 48 x 21 mm**
- Connection type: **Input: 3x0.75mm2 L250mm, Output: 2x1.0mm2 L250mm**
- Weight: **0.37 kg**
- Bulk packaging: **45 pcs.**
- Warranty (years): **5**

Protections:

- Short-circuit protection: **Automatic recovery after fault removal (hiccup mode)**
- Overload protection: **110–150% of rated power; automatic recovery after fault removal**
- Overvoltage: **Output voltage ≥14–18 V; automatic recovery after fault removal**
- Overcurrent: **–**
- Overtemperature: **Output voltage shutdown; reconnect after temperature drops to restore operation.**

Insulation:

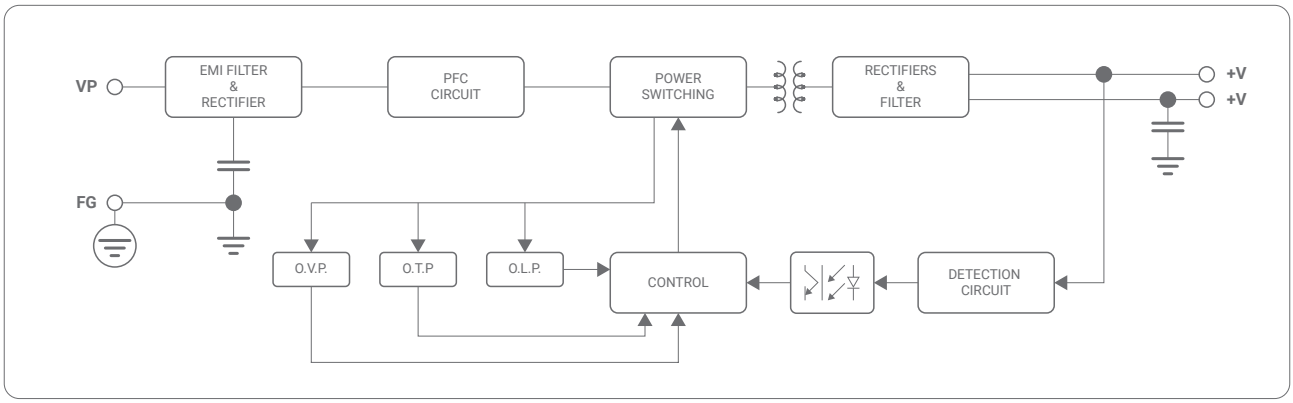
- Insulation resistance: **I/P-O/P: 100MΩ/500VDC/25°C/70%RH**
- Rated impulse voltage withstand (kV): **Input-output: AC3.75KV**

Notes:
1. Unless otherwise stated, the listed technical parameter values were measured and provided for a supply voltage of 230 V AC under nominal load, in laboratory conditions at an ambient temperature of 25°C.
2. The power supply is not a standalone device; it is designed to operate as a component of equipment and installations.
3. The level of electromagnetic interference EM generated by the power supply may depend on the characteristics of the connected load, and the total system interference also includes EMI generated by other components within the system.
4. The intended use of the power supply for powering LED lighting products may vary depending on the region and local requirements.
5. Before purchasing, verify whether the power supply can be used to power LED products based on the legal requirements of the destination country.
6. In general, connecting two or more power supplies in series or parallel is prohibited. Only the sharing of a single pole ("+" or "–") in a system with multiple power supplies is permitted, provided that basic installation principles are followed. This also applies to multi-point powering of elongated products, which must not be powered from multiple sources. Exceptions to this rule may be specified in the datasheets of specific power supply models, subject to additional guidelines.

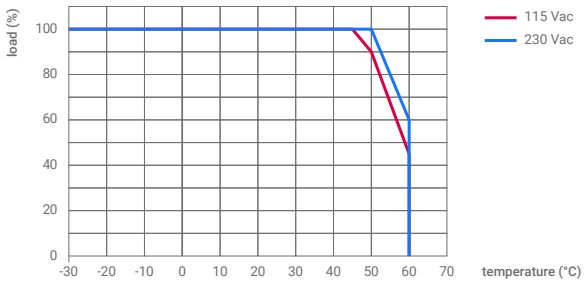
WOG 4524

Product code: 01-009-017-045

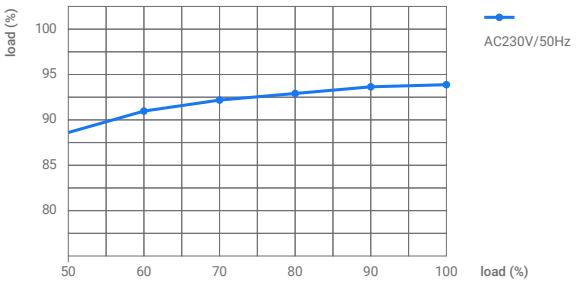
Block diagram:



Power vs. temperature chart:



Static characteristics:



Additional information:

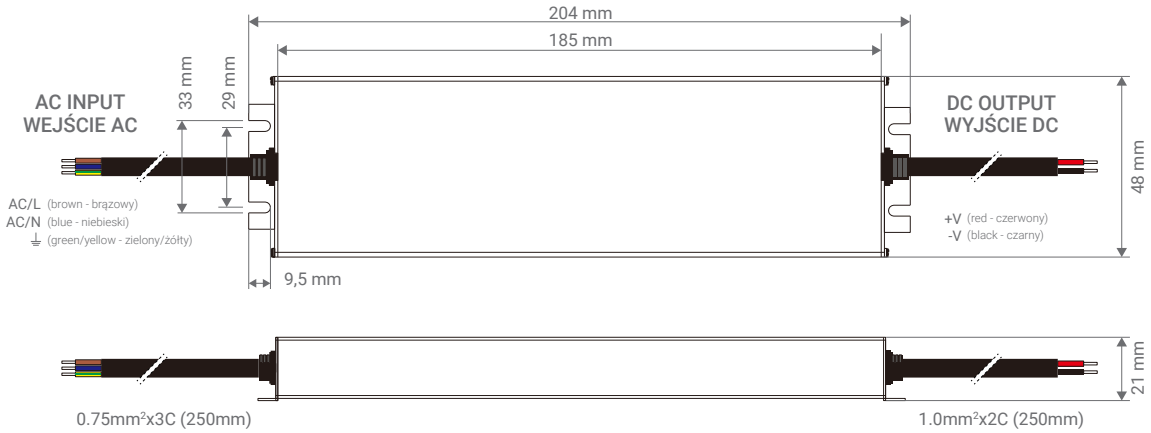
-

Notes:
1. Unless otherwise stated, the listed technical parameter values were measured and provided for a supply voltage of 230 V AC under nominal load, in laboratory conditions at an ambient temperature of 25°C.
2. The power supply is not a standalone device; it is designed to operate as a component of equipment and installations.
3. The level of electromagnetic interference EM generated by the power supply may depend on the characteristics of the connected load, and the total system interference also includes EMI generated by other components within the system.
4. The intended use of the power supply for powering LED lighting products may vary depending on the region and local requirements.
5. Before purchasing, verify whether the power supply can be used to power LED products based on the legal requirements of the destination country.
6. In general, connecting two or more power supplies in series or parallel is prohibited. Only the sharing of a single pole ("+" or "–") in a system with multiple power supplies is permitted, provided that basic installation principles are followed. This also applies to multi-point powering of elongated products, which must not be powered from multiple sources. Exceptions to this rule may be specified in the datasheets of specific power supply models, subject to additional guidelines.

WOG 6024

Product code: 01-009-017-060





Input parameters:

- Voltage: **100-277 V AC**
- Frequency: **50~60 Hz**
- Current: **0.66 A / 100 V AC**
- Inrush current: **50A / 230VAC**
- Leakage current: **0.5mA / 230VAC**
- No-load power consumption: **<0.5W**
- Power factor (PF): **>0.96 / 230VAC**

Output parameters:

- Voltage: **24 V DC**
- Current: **2.5 A**
- Rated power: **60 W**
- Voltage ripple: **<250mVp-p**
- Voltage rise and stabilization time: **320ms, 11ms / 230VAC**
- Load-dependent voltage accuracy: **-**
- Voltage accuracy dependent on input parameters: **-**
- Overall voltage accuracy: **-**

Environmental parameters:

- Operating temperature & humidity: **ta: -30°C~ 50°C, 20 ~ 99% RH**
- Storage temperature & humidity: **-40°C ~ 80°C, 10~95% RH**
- Maximum case temperature: **80°C**

Additional information:

- Ingress protection rating: **IP67**
- Dimensions: **185 (204) x 48 x 21 mm**
- Connection type: **Input: 3x0.75mm2 L250mm, Output: 2x1.0mm2 L250mm**
- Weight: **0.37 kg**
- Bulk packaging: **45 pcs.**
- Warranty (years): **5**

Protections:

- Short-circuit protection: **Automatic recovery after fault removal (hiccup mode)**
- Overload protection: **110–150% of rated power; automatic recovery after fault removal**
- Overvoltage: **Output voltage ≥14–18 V; automatic recovery after fault removal**
- Overcurrent: **-**
- Overtemperature: **Output voltage shutdown; reconnect after temperature drops to restore operation.**

Insulation:

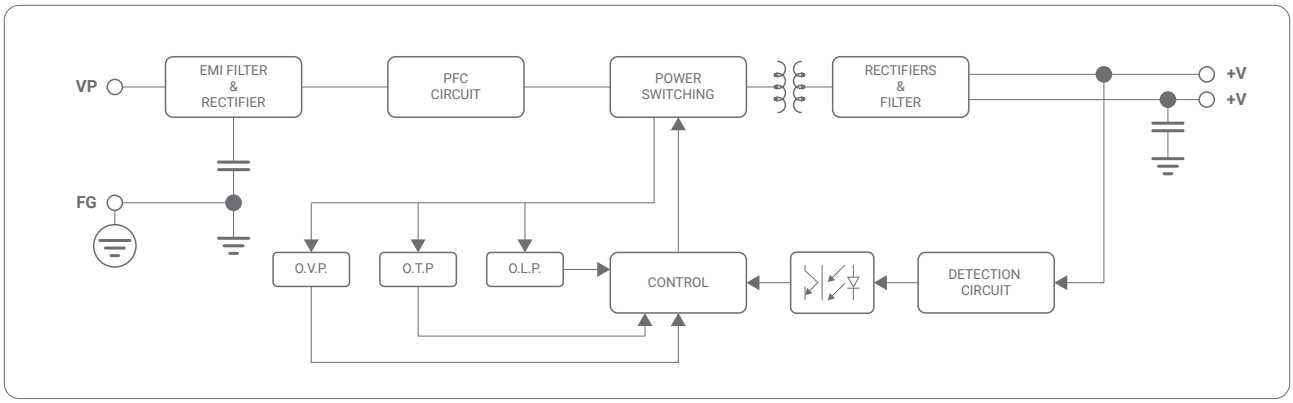
- Insulation resistance: **I/P-O/P: 100MΩ/500VDC/25°C/70%RH**
- Rated impulse voltage withstand (kV): **Input-output AC3.75KV**

Notes:
1. Unless otherwise stated, the listed technical parameter values were measured and provided for a supply voltage of 230 V AC under nominal load, in laboratory conditions at an ambient temperature of 25°C.
2. The power supply is not a standalone device; it is designed to operate as a component of equipment and installations.
3. The level of electromagnetic interference EM generated by the power supply may depend on the characteristics of the connected load, and the total system interference also includes EMI generated by other components within the system.
4. The intended use of the power supply for powering LED lighting products may vary depending on the region and local requirements.
5. Before purchasing, verify whether the power supply can be used to power LED products based on the legal requirements of the destination country.
6. In general, connecting two or more power supplies in series or parallel is prohibited. Only the sharing of a single pole ("+" or "–") in a system with multiple power supplies is permitted, provided that basic installation principles are followed. This also applies to multi-point powering of elongated products, which must not be powered from multiple sources. Exceptions to this rule may be specified in the datasheets of specific power supply models, subject to additional guidelines.

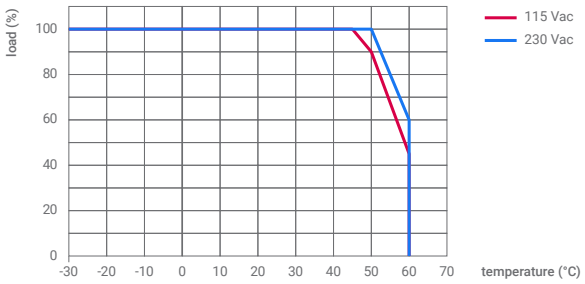
WOG 6024

Product code: 01-009-017-060

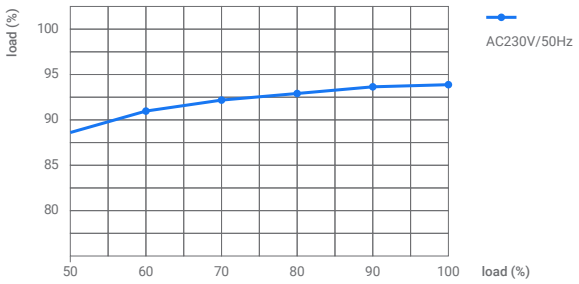
Block diagram:



Power vs. temperature chart:



Static characteristics:



Additional information:

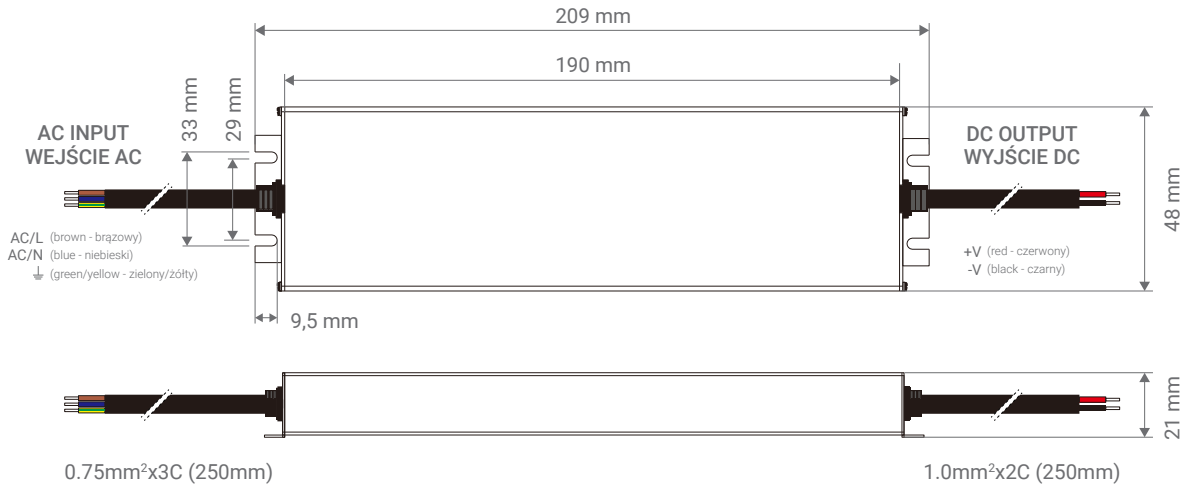
-

Notes:
1. Unless otherwise stated, the listed technical parameter values were measured and provided for a supply voltage of 230 V AC under nominal load, in laboratory conditions at an ambient temperature of 25°C.
2. The power supply is not a standalone device; it is designed to operate as a component of equipment and installations.
3. The level of electromagnetic interference EM generated by the power supply may depend on the characteristics of the connected load, and the total system interference also includes EMI generated by other components within the system.
4. The intended use of the power supply for powering LED lighting products may vary depending on the region and local requirements.
5. Before purchasing, verify whether the power supply can be used to power LED products based on the legal requirements of the destination country.
6. In general, connecting two or more power supplies in series or parallel is prohibited. Only the sharing of a single pole ("+" or "–") in a system with multiple power supplies is permitted, provided that basic installation principles are followed. This also applies to multi-point powering of elongated products, which must not be powered from multiple sources. Exceptions to this rule may be specified in the datasheets of specific power supply models, subject to additional guidelines.

WOG 8024

Product code: 01-009-017-080





Input parameters:

- Voltage: **100-277 V AC**
- Frequency: **50~60 Hz**
- Current: **1.09 A / 100 V AC**
- Inrush current: **50A / 230VAC**
- Leakage current: **0.5mA / 230VAC**
- No-load power consumption: **<0.5W**
- Power factor (PF): **>0.96 / 230VAC**

Output parameters:

- Voltage: **24 V DC**
- Current: **3.33 A**
- Rated power: **80 W**
- Voltage ripple: **<250mVp-p**
- Voltage rise and stabilization time: **320ms, 11ms / 230VAC**
- Load-dependent voltage accuracy: **-**
- Voltage accuracy dependent on input parameters: **-**
- Overall voltage accuracy: **-**

Environmental parameters:

- Operating temperature & humidity: **ta: -30°C~ 50°C tc: 80°C, 20 ~ 99% RH**
- Storage temperature & humidity: **-40°C ~ 80°C, 10~95% RH**
- Maximum case temperature: **80°C**

Additional information:

- Ingress protection rating: **IP67**
- Dimensions: **190 (209) x 48 x 21 mm**
- Connection type: **Input: 3x0.75mm2 L250mm, Output: 2x1.0mm2 L250mm**
- Weight: **0.37 kg**
- Bulk packaging: **45 pcs.**
- Warranty (years): **5**

Protections:

- Short-circuit protection: **Automatic recovery after fault removal (hiccup mode)**
- Overload protection: **110–150% of rated power; automatic recovery after fault removal**
- Overvoltage: **Output voltage ≥14–18 V; automatic recovery after fault removal**
- Overcurrent: **-**
- Overtemperature: **Output voltage shutdown; reconnect after temperature drops to restore operation.**

Insulation:

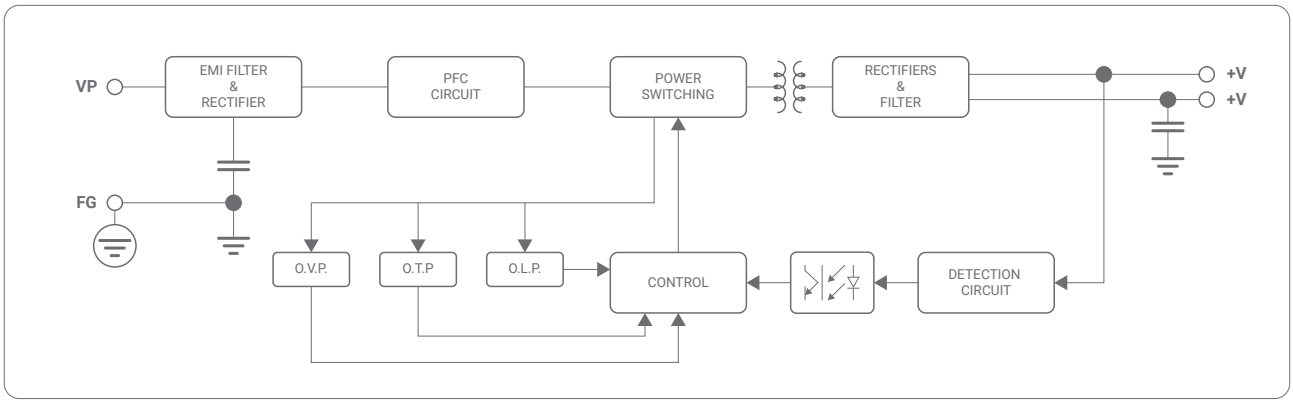
- Insulation resistance: **I/P-O/P: 100MΩ/500VDC/25°C/70%RH**
- Rated impulse voltage withstand (kV): **Input-output AC3.75KV**

Notes:
1. Unless otherwise stated, the listed technical parameter values were measured and provided for a supply voltage of 230 V AC under nominal load, in laboratory conditions at an ambient temperature of 25°C.
2. The power supply is not a standalone device; it is designed to operate as a component of equipment and installations.
3. The level of electromagnetic interference EM generated by the power supply may depend on the characteristics of the connected load, and the total system interference also includes EMI generated by other components within the system.
4. The intended use of the power supply for powering LED lighting products may vary depending on the region and local requirements.
5. Before purchasing, verify whether the power supply can be used to power LED products based on the legal requirements of the destination country.
6. In general, connecting two or more power supplies in series or parallel is prohibited. Only the sharing of a single pole ("+" or "–") in a system with multiple power supplies is permitted, provided that basic installation principles are followed. This also applies to multi-point powering of elongated products, which must not be powered from multiple sources. Exceptions to this rule may be specified in the datasheets of specific power supply models, subject to additional guidelines.

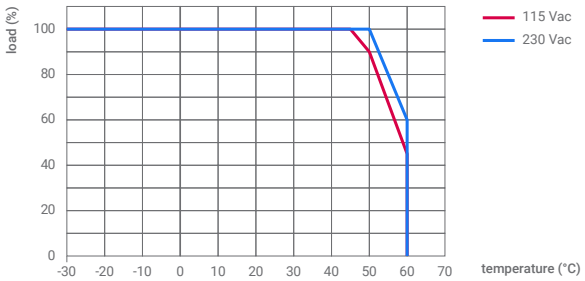
WOG 8024

Product code: 01-009-017-080

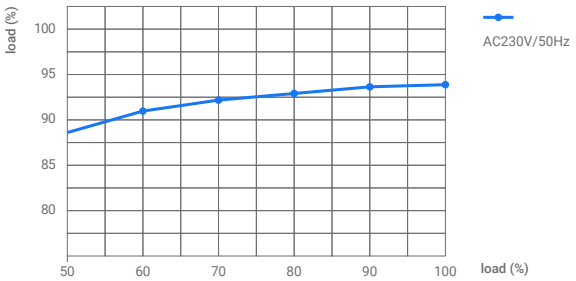
Block diagram:



Power vs. temperature chart:



Static characteristics:



Additional information:

-

Notes:
1. Unless otherwise stated, the listed technical parameter values were measured and provided for a supply voltage of 230 V AC under nominal load, in laboratory conditions at an ambient temperature of 25°C.
2. The power supply is not a standalone device; it is designed to operate as a component of equipment and installations.
3. The level of electromagnetic interference EM generated by the power supply may depend on the characteristics of the connected load, and the total system interference also includes EMI generated by other components within the system.
4. The intended use of the power supply for powering LED lighting products may vary depending on the region and local requirements.
5. Before purchasing, verify whether the power supply can be used to power LED products based on the legal requirements of the destination country.
6. In general, connecting two or more power supplies in series or parallel is prohibited. Only the sharing of a single pole ("+" or "–") in a system with multiple power supplies is permitted, provided that basic installation principles are followed. This also applies to multi-point powering of elongated products, which must not be powered from multiple sources. Exceptions to this rule may be specified in the datasheets of specific power supply models, subject to additional guidelines.