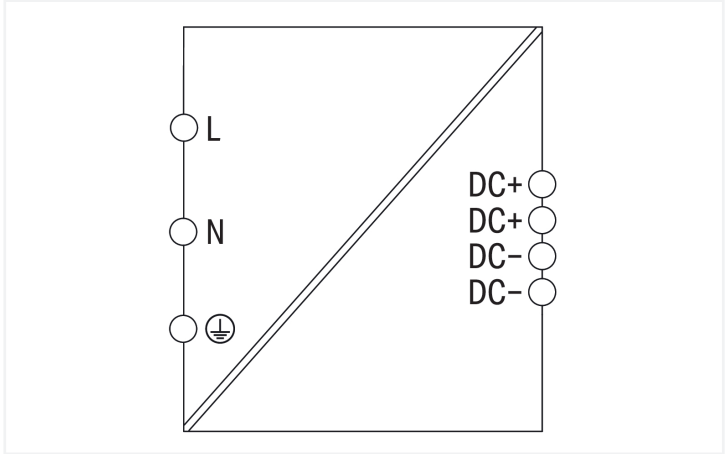




Features:

- Switched-mode power supply
- Natural convection cooling when horizontally mounted
- Encapsulated for use in control cabinets
- Suitable for both parallel and series operation
- Electrically isolated output voltage (SELV) per EN 60335-1 and UL 60950-1; PELV per EN 60204
- DIN-35 rail mountable in different positions
- Direct installation on mounting plate via cable grip

Technical data

| Input                              |                                                | Output                              |                                                                                                                                  |
|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Phases                             | 1                                              | Nominal output voltage $U_{o\,nom}$ | 24 VDC (SELV)                                                                                                                    |
| Nominal input voltage $U_{i\,nom}$ | 1 x 100 ... 240 VAC                            | Output voltage range                | 22 ... 26 VDC (adjustable)                                                                                                       |
| Input voltage range                | 1 x 90 ... 264 VAC; 125 ... 375 VDC            | Default Setting                     | DC 24 V                                                                                                                          |
| Nominal mains frequency range      | 47 ... 63 Hz; 0 Hz                             | Nominal output current $I_{o\,nom}$ | 2.5 A (24 VDC; 110 ... 240 VAC); 2 A (24 VDC; 100 ... 240 VAC)                                                                   |
| Input current $I_i$                | $\leq 0.6$ A (230 VAC); $\leq 1.2$ A (115 VAC) | Nominal output power                | 60 W                                                                                                                             |
| Discharge current                  | $\leq 1.5$ mA                                  | Deviation                           | $\leq 1$ %                                                                                                                       |
| Inrush current                     | $\leq 18$ A                                    | Residual ripple                     | $\leq 200$ mV (peak-to-peak)                                                                                                     |
| Power factor correction (PFC)      | Passive                                        | Overload behavior                   | Constant power (in overload range: 1.05 ... 1.4 x $I_{o\,nom}$ ); Shutdown and automatic restart in the event of a short circuit |
| Mains failure hold-up time         | $\geq 10$ ms (230 VAC)                         |                                     |                                                                                                                                  |

| Signaling and communication |                       |
|-----------------------------|-----------------------|
| Signaling                   | 1 x LED DC OK (green) |
| Operation status indicator  | Green LED ( $U_o$ )   |

| Efficiency/power losses |                                      |
|-------------------------|--------------------------------------|
| Power loss $P_l$        | $\leq 12$ W (230 VAC; 24 VDC; 2.5 A) |
| Efficiency (typ.)       | 88 % (230 VAC; 2.5 ADC)              |

| Circuit protection          |                                                           |
|-----------------------------|-----------------------------------------------------------|
| Internal fuse               | F 2 A / 250 VAC                                           |
| Backup fusing (required)    | An external DC fuse is required for the DC input voltage. |
| Backup fusing (recommended) | Circuit breaker: B6, B10                                  |



| Safety and protection           |  |                                     |
|---------------------------------|--|-------------------------------------|
| Isolation voltage (pri.-sec.)   |  | DC 4.242 kV                         |
| Isolation voltage (pri.-PE)     |  | DC 2.2 kV                           |
| Isolation voltage (sec.-PE)     |  | 0.7 kVDC                            |
| Protection class                |  | I                                   |
| Protection type                 |  | IP20; per EN 60529                  |
| Resistance to reverse feed      |  | ≤ 30 VDC                            |
| Overvoltage category            |  | II                                  |
| Pollution degree                |  | 2                                   |
| Transient suppression (primary) |  | Varistor                            |
| Short-circuit-protected         |  | Yes                                 |
| Open-circuit-proof              |  | Yes                                 |
| Parallel operation              |  | Yes                                 |
| Series operation                |  | Yes, for 2 devices of the same type |
| MTBF                            |  | > 300,000 h (per IEC 61709)         |

| Connection data                |                    |                                   |
|--------------------------------|--------------------|-----------------------------------|
| Note (conductor cross-section) | 12 AWG: THHN, THWN |                                   |
|                                |                    | Connection 1                      |
|                                |                    | Connection type 1                 |
|                                |                    | Input/output                      |
|                                |                    | Connection technology             |
|                                |                    | CAGE CLAMP®                       |
|                                |                    | WAGO connector                    |
|                                |                    | WAGO 236 Series                   |
|                                |                    | Solid conductor                   |
|                                |                    | 0.08 ... 2.5 mm² / 28 ... 12 AWG  |
|                                |                    | Fine-stranded conductor           |
|                                |                    | 0.08 ... 2.5 mm² / 28 ... 12 AWG  |
|                                |                    | Strip length                      |
|                                |                    | 6 ... 7 mm / 0.24 ... 0.28 inches |

| Physical data                     |  |                      |
|-----------------------------------|--|----------------------|
| Width                             |  | 40 mm / 1.575 inches |
| Height                            |  | 90 mm / 3.543 inches |
| Depth from upper-edge of DIN-rail |  | 99 mm / 3.898 inches |

| Mechanical data |  |                            |
|-----------------|--|----------------------------|
| Mounting type   |  | DIN-35 rail<br>Screw mount |

| Material data |  |          |
|---------------|--|----------|
| Fire load     |  | 0.129 MJ |
| Weight        |  | 300 g    |

| Environmental requirements      |  |                                           |
|---------------------------------|--|-------------------------------------------|
| Ambient temperature (operation) |  | -20 ... +60 °C                            |
| Ambient temperature (storage)   |  | -25 ... +75 °C                            |
| Relative humidity               |  | 10 ... 95 % (no condensation permissible) |
| Derating                        |  | -4 %/K (> 45 °C)                          |
| Climatic category               |  | 3K3 (per EN 60721)                        |



| Standards and specifications |                                                                            |
|------------------------------|----------------------------------------------------------------------------|
| Conformity marking           | CE                                                                         |
| Standards/specifications     | EN 61204-3<br>EN 60335-1<br>EN 62368-1<br>UL 60950-1<br>UL 508<br>SEMI F47 |

| Commercial data       |               |
|-----------------------|---------------|
| PU (SPU)              | 1 pcs         |
| Packaging type        | Box           |
| Country of origin     | CN            |
| GTIN                  | 4055143372466 |
| Customs tariff number | 85044083900   |

| Product classification |                      |
|------------------------|----------------------|
| UNSPSC                 | 39121004             |
| eCl@ss 10.0            | 27-04-07-01          |
| eCl@ss 9.0             | 27-04-07-01          |
| ETIM 9.0               | EC002540             |
| ETIM 8.0               | EC002540             |
| ECCN                   | NO US CLASSIFICATION |

| Environmental Product Compliance          |                                      |
|-------------------------------------------|--------------------------------------|
| RoHS Compliance Status                    | Compliant,No Exemption               |
| SCIP notification number (Bulgaria)       | 7d2334e6-553b-4c2b-a393-ffe26f33c4cc |
| SCIP notification number (Czech Republic) | 5e2d347c-a5a6-461e-b623-4c39a501d484 |

| Approvals / Certificates                                                                                                                                                                                                                       |                |                                                                                                                                                                                                                                                                         |          |          |                  |                                                         |   |   |                                        |   |   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|------------------|---------------------------------------------------------|---|---|----------------------------------------|---|---|
| General approvals                                                                                                                                                                                                                              |                | Declarations of conformity and manufacturer's declarations                                                                                                                                                                                                              |          |          |                  |                                                         |   |   |                                        |   |   |
| <div><div><div>EAC</div><div>EAC</div><div></div><div></div></div></div> |                |                                                                                                                                                                                                                                                                         |          |          |                  |                                                         |   |   |                                        |   |   |
| Approval                                                                                                                                                                                                                                       | Standard       | Certificate Name                                                                                                                                                                                                                                                        |          |          |                  |                                                         |   |   |                                        |   |   |
| EAC<br>GZO Almaty Standart                                                                                                                                                                                                                     | TP TC 004/2011 | EAC CoC 03078                                                                                                                                                                                                                                                           |          |          |                  |                                                         |   |   |                                        |   |   |
| EAC<br>GZO Almaty Standart                                                                                                                                                                                                                     | TP TC 020/2011 | EAC CoC 03081                                                                                                                                                                                                                                                           |          |          |                  |                                                         |   |   |                                        |   |   |
| UL<br>Underwriters Laboratories Inc.                                                                                                                                                                                                           | UL 508         | E255817                                                                                                                                                                                                                                                                 |          |          |                  |                                                         |   |   |                                        |   |   |
| UR<br>Underwriters Laboratories Inc.                                                                                                                                                                                                           | UL 60950-1     | E255815                                                                                                                                                                                                                                                                 |          |          |                  |                                                         |   |   |                                        |   |   |
|                                                                                                                                                                                                                                                |                | <table><tr><th>Approval</th><th>Standard</th><th>Certificate Name</th></tr><tr><td>EU-Declaration of Confor-<br/>mity<br/>WAGO GmbH &amp; Co. KG</td><td>-</td><td>-</td></tr><tr><td>MFD for SEMI F47<br/>WAGO GmbH &amp; Co. KG</td><td>-</td><td>-</td></tr></table> | Approval | Standard | Certificate Name | EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG | - | - | MFD for SEMI F47<br>WAGO GmbH & Co. KG | - | - |
| Approval                                                                                                                                                                                                                                       | Standard       | Certificate Name                                                                                                                                                                                                                                                        |          |          |                  |                                                         |   |   |                                        |   |   |
| EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG                                                                                                                                                                                        | -              | -                                                                                                                                                                                                                                                                       |          |          |                  |                                                         |   |   |                                        |   |   |
| MFD for SEMI F47<br>WAGO GmbH & Co. KG                                                                                                                                                                                                         | -              | -                                                                                                                                                                                                                                                                       |          |          |                  |                                                         |   |   |                                        |   |   |



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1 Compatible Products

1.1 Optional Accessories

1.1.1 Marking

1.1.1.1 Marking strip



Item No.: 210-831  
Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive; white



Item No.: 210-832  
Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white

1.1.2 Tool

1.1.2.1 Operating tool



Item No.: 210-720  
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured



Item No.: 210-769  
SCREWDRIVER; green

Subject to changes. Please also observe the further product documentation!

Current addresses can be found at: [www.wago.com](https://www.wago.com)