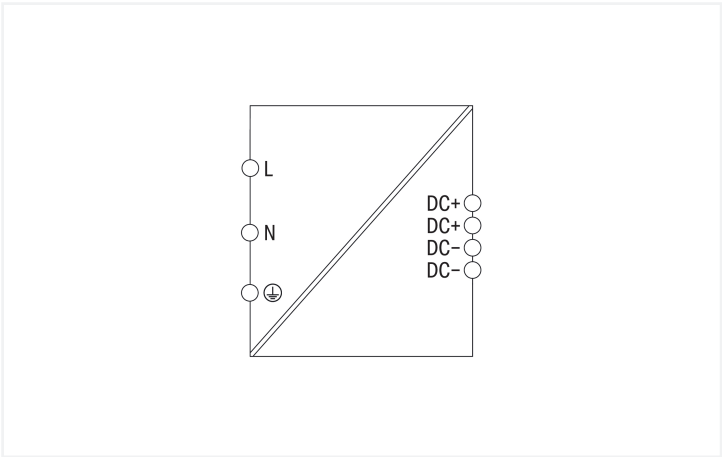




- Features:**
- Switched-mode power supply
  - Natural convection cooling when horizontally mounted
  - Encapsulated for use in control cabinets
  - Suitable for both parallel and series operation
  - Electrically isolated output voltage (SELV) per EN 60335-1 and UL 60950-1; PELV per EN 60204
  - DIN-35 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                     | 24 VDC                                                                                                                           |
| Nominal mains frequency range      | 47 ... 63 Hz; 0 Hz                             | Nominal output current $I_{o\ nom}$ | 5 A (24 VDC; 110 ... 240 VAC); 4 A (24 VDC; 100 ... 240 VAC)                                                                     |
| Input current $I_i$                | $\leq 1\ A\ (230\ VAC); \leq 2\ A\ (115\ VAC)$ | Nominal output power                | 120 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 |                       | Efficiency/Power Losses |                       |
|-----------------------------|-----------------------|-------------------------|-----------------------|
| Signaling                   | 1 x DC OK LED (green) | Power loss $P_l$        | $\leq 19\ W$          |
| Operation status indicator  | Green LED ( $U_o$ )   | Efficiency (typ.)       | 88 % (230 VAC; 5 ADC) |



| Circuit Protection        |                                                           |
|---------------------------|-----------------------------------------------------------|
| Internal fuse             | F 2.5 A / 250 VAC                                         |
| Pre-fuse (required)       | An external DC fuse is required for the DC input voltage. |
| Backup fuse (recommended) | Circuit breaker: B6, B10                                  |

| Safety and protection           |                                     |
|---------------------------------|-------------------------------------|
| Isolation voltage (pri.-sec.)   | 4.242 kVDC                          |
| Isolation voltage (pri.-PE)     | 2.2 kVDC                            |
| 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                | 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                             | 60 mm / 2.362 inches  |
| Height                            | 130 mm / 5.112 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     | 0.118 MJ |
| Weight        | 550 g    |



| Environmental requirements      |                                           |
|---------------------------------|-------------------------------------------|
| Ambient temperature (operation) | -20 ... +60 °C                            |
| Ambient temperature (storage)   | -25 ... +75 °C                            |
| Relative humidity               | 10 ... 95 % (no condensation permissible) |
| Derating                        | -3 %/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                  | 4055143372442 |
| 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 10.0              | EC002540             |
| ECCN                   | NO US CLASSIFICATION |

| Environmental Product Compliance          |                                      |
|-------------------------------------------|--------------------------------------|
| RoHS Compliance Status                    | Compliant, No Exemption              |
| SCIP notification number (Bulgaria)       | aa2613f5-6113-400e-be75-dc6756207f88 |
| SCIP notification number (Czech Republic) | 7ede9750-7374-4598-8c28-b0e5d82e38fc |

| Approvals / Certificates                                                                                                                                                                                                                                   |                |                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------|
| General approvals                                                                                                                                                                                                                                          |                | Declarations of conformity and manufacturer's declarations |
|    |                |                                                            |
| 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                                                    |
|                                                                                                                                                                                                                                                            |                | ApprovalStandardCertificate Name                           |
|                                                                                                                                                                                                                                                            |                | EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG    |
|                                                                                                                                                                                                                                                            |                | MFD for SEMI F47<br>WAGO GmbH & Co. KG                     |
|                                                                                                                                                                                                                                                            |                | UK-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG    |



Downloads

Environmental Product Compliance

|                                           |
|-------------------------------------------|
| Compliance Search                         |
| Environmental Product Compliance 787-1722 |



Documentation

|                             |            |                  |  |
|-----------------------------|------------|------------------|--|
| Bid Text                    |            |                  |  |
| 787-1722                    | 01.10.2019 | xml<br>6.81 KB   |  |
| 787-1722                    | 01.10.2019 | docx<br>20.59 KB |  |
| ausschreiben.de<br>787-1722 |            |                  |  |

|                                        |                     |                  |  |
|----------------------------------------|---------------------|------------------|--|
| Instruction Leaflet                    |                     |                  |  |
| ECO Power Switched-Mode Power Supplies | V 1.5<br>21.12.2020 | pdf<br>249.00 KB |  |

CAD/CAE-Data

|                          |  |
|--------------------------|--|
| CAD data                 |  |
| 2D/3D Models<br>787-1722 |  |

|                               |  |
|-------------------------------|--|
| CAE data                      |  |
| EPLAN Data Portal<br>787-1722 |  |
| WSCAD Universe<br>787-1722    |  |
| ZUKEN Portal<br>787-1722      |  |

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)