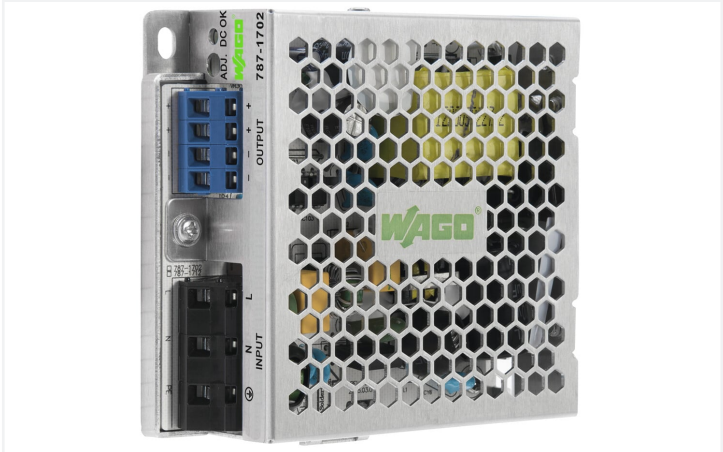
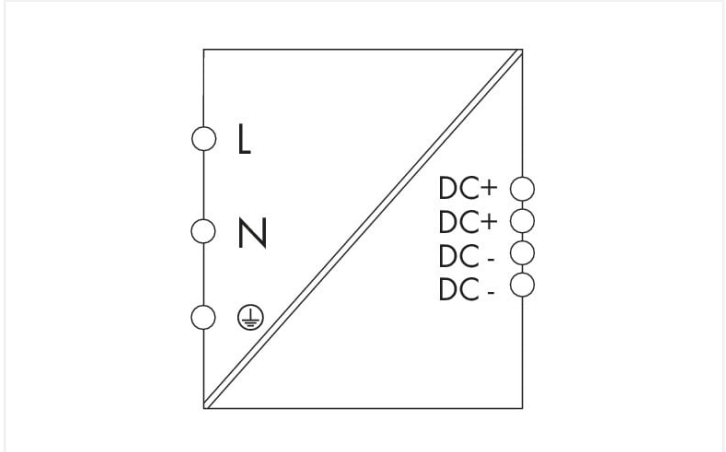




Similar to illustration



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; 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 $U_{o\ nom}$ | DC 12 V (SELV)                                                                                                                   |
| Nominal input voltage $U_{i\ nom}$ | 1 x AC 100 ... 240 V                  | Output voltage range                | DC 10 ... 14 V (adjustable)                                                                                                      |
| Input voltage range                | 1 x AC 90 ... 264 V; DC 125 ... 375 V | Default setting                     | DC 12 V                                                                                                                          |
| Nominal mains frequency range      | 47 ... 63 Hz; 0 Hz                    | Nominal output current $I_{o\ nom}$ | 2 A (12 VDC; 110 ... 240 VAC); 1.6 A (12 VDC; 100 ... 240 VAC)                                                                   |
| Input current $I_i$                | $\leq 0.7$ A (100 VAC)                | Nominal output power                | 24 W                                                                                                                             |
| Discharge current                  | $\leq 3.5$ mA                         | Deviation                           | $\leq 1$ %                                                                                                                       |
| Inrush current                     | $\leq 18$ A                           | Residual ripple                     | $\leq 150$ 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 $P_i$        | $\leq 6$ W (230 VAC; 12 VDC; 2 A) |
| Efficiency (typ.)       | 80 % (230 VAC; 2 ADC)             |

| Circuit protection          |                                                           |
|-----------------------------|-----------------------------------------------------------|
| Internal fuse               | F 1 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)     |  | DC 0.7 kV                           |
| Protection class                |  | I                                   |
| Protection type                 |  | IP20; per EN 60529                  |
| Resistance to reverse feed      |  | ≤ DC 14 V                           |
| 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                |  |                                   |
|--------------------------------|--|-----------------------------------|
| 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 |
| Note (conductor cross-section) |  | 12 AWG: THHN, THWN                |

| Physical data                     |  |                      |
|-----------------------------------|--|----------------------|
| Width                             |  | 30 mm / 1.181 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        |  | 250 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)                          |



| Standards and specifications |                                                        |
|------------------------------|--------------------------------------------------------|
| Conformity marking           | CE                                                     |
| Standards/specifications     | EN 61204-3<br>EN 60335-1<br>EN 61558-2-6<br>EN 62368-1 |
| Commercial data              |                                                        |
| eCl@ss 10.0                  | 27-04-07-01                                            |
| eCl@ss 9.0                   | 27-04-07-01                                            |
| ETIM 8.0                     | EC002540                                               |
| ETIM 7.0                     | EC002540                                               |
| PU (SPU)                     | 1 pcs                                                  |
| Packaging type               | Box                                                    |
| Country of origin            | CN                                                     |
| GTIN                         | 4055143656023                                          |
| Customs tariff number        | 85044083900                                            |

| Approvals / Certificates                    |                                  |                                 |
|---------------------------------------------|----------------------------------|---------------------------------|
| General approvals                           |                                  |                                 |
|                                             |                                  |                                 |
| Approval                                    | Standard                         | Certificate Name                |
| EAC<br>Brjansker Zertifizierungs-<br>stelle | TP TC 004/2011,TP TC<br>020/2011 | EAC RU C-DE.AM02.<br>B.00089_19 |

| Downloads                                    |  |
|----------------------------------------------|--|
| Environmental Product Compliance             |  |
| Compliance Search                            |  |
| Environmental Product<br>Compliance 787-1701 |  |

| Documentation |            |                                            |                                             |
|---------------|------------|--------------------------------------------|---------------------------------------------|
| Bid Text      |            | Instruction Leaflet                        |                                             |
| 787-1701      | 01.10.2019 | xml<br>6.73 KB                             |                                             |
| 787-1701      | 01.10.2019 | docx<br>20.12 KB                           |                                             |
|               |            | ECO Power Switched-<br>Mode Power Supplies | V 1.2<br>21.12.2020<br>pdf<br>249.88 KB<br> |

| CAD/CAE-Data |
|--------------|
|--------------|



|                          |
|--------------------------|
| CAD data                 |
| 2D/3D Models<br>787-1701 |



|                               |
|-------------------------------|
| CAE data                      |
| EPLAN Data Portal<br>787-1701 |
| ZUKEN Portal<br>787-1701      |



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