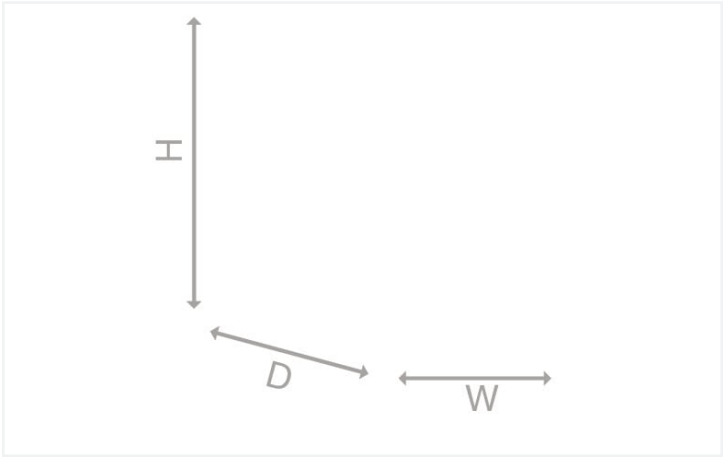
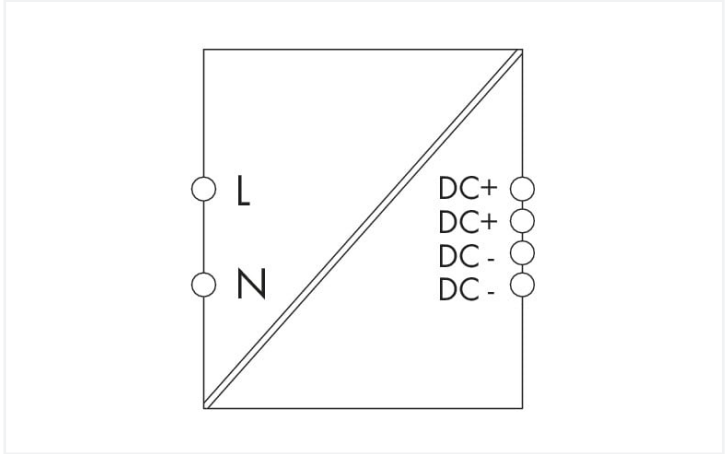




- Features:**
- Switched-mode power supply
  - Natural convection cooling when horizontally mounted
  - Stepped profile, ideal for distribution boards/boxes
  - Overhead mounting is possible with derating
  - Suitable for both parallel and series operation
  - Electrically isolated output voltage (SELV) per EN 61010-2-201/UL 60950-1; PELV per EN 60204

| Technical data                           |                                       |                                           |                                                                         |
|------------------------------------------|---------------------------------------|-------------------------------------------|-------------------------------------------------------------------------|
| Input                                    |                                       | Output                                    |                                                                         |
| Phases                                   | 1                                     | Nominal output voltage U <sub>o nom</sub> | DC 12 V (SELV)                                                          |
| Nominal input voltage U <sub>i nom</sub> | 1 x AC 100 ... 240 V                  | Output voltage range                      | DC 10.5 ... 18 V (adjustable)                                           |
| Input voltage range                      | 1 x AC 85 ... 264 V; DC 120 ... 300 V | Default setting                           | DC 12 V                                                                 |
| Input voltage derating                   | I <sub>o</sub> ≤ 1.5 A (< 100 VAC)    | Nominal output current I <sub>o nom</sub> | 2 A (12 VDC); 1.4 A (12 VDC; in any mounting position); 0.75 A (18 VDC) |
| Nominal mains frequency range            | 44 ... 66 Hz; 0 Hz                    | Nominal output power                      | 24 W                                                                    |
| Input current I <sub>i</sub>             | ≤ 0.4 A (230 VAC); ≤ 0.6 A (110 VAC)  | Deviation                                 | ≤ 2 %                                                                   |
| Discharge current                        | ≤ 1 mA                                | Residual ripple                           | ≤ 100 mV (Peak-to-peak)                                                 |
| Inrush current                           | ≤ 30 A (NTC)                          | Current limitation                        | 1.1 x I <sub>o nom</sub> (typ.)                                         |
| Power factor correction (PFC)            | passive                               | Overload behavior                         | Constant current                                                        |
| Mains failure hold-up time               | ≥ 80 ms (230 VAC); ≥ 10 ms (110 VAC)  |                                           |                                                                         |



| Signaling and Communication |                                   |
|-----------------------------|-----------------------------------|
| Signaling                   | 1 x Status indication LED (green) |
| Operation status indicator  | Green LED (U <sub>o</sub> )       |

| Efficiency/power losses               |                                        |
|---------------------------------------|----------------------------------------|
| Power loss P <sub>I</sub>             | ≤ 2.6 W; ≤ 6 W (230 VAC; nominal load) |
| Power loss (max.) P <sub>I(max)</sub> | 6 W (100 VAC / 12 VDC; 2 A)            |
| Efficiency (typ.)                     | 80 %                                   |

| Circuit protection          |                                                                            |
|-----------------------------|----------------------------------------------------------------------------|
| Internal fuse               | T 2 A / 250 VAC                                                            |
| Backup fusing (required)    | An external DC fuse is required for the DC input voltage.                  |
| Backup fusing (recommended) | Circuit breaker: 6 A (C characteristic), 10 A (B characteristic) or higher |

| Safety and protection             |                                    |
|-----------------------------------|------------------------------------|
| Isolation voltage (pri.-sec.)     | DC 4.242 kV                        |
| Protection class                  | II                                 |
| Protection type                   | IP20; per EN 60529                 |
| Resistance to reverse feed        | ≤ DC 25 V                          |
| Overvoltage category              | II                                 |
| Pollution degree                  | 2                                  |
| Transient suppression (primary)   | Varistor                           |
| Overvoltage protection; secondary | ≤ 30 VDC (in the event of a fault) |
| Short-circuit-protected           | Yes                                |
| Open-circuit-proof                | Yes                                |
| Parallel operation                | Yes                                |
| Series operation                  | Yes                                |
| MTBF                              | > 500,000 h (per IEC 61709)        |

| Connection data         |                                   |
|-------------------------|-----------------------------------|
| Connection type 1       | Input/output                      |
| Connection technology   | CAGE CLAMP®                       |
| WAGO connector          | WAGO 740 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                             | 54 mm / 2.126 inches |
| Height                            | 89 mm / 3.504 inches |
| Depth                             | 59 mm / 2.323 inches |
| Depth from upper-edge of DIN-rail | 55 mm / 2.165 inches |

| Mechanical Data |             |
|-----------------|-------------|
| Mounting type   | DIN-35 rail |



| Material Data               |       |
|-----------------------------|-------|
| Flammability class per UL94 | V0    |
| Fire load                   | 0 MJ  |
| Weight                      | 180 g |

| Environmental requirements                            |                                                        |
|-------------------------------------------------------|--------------------------------------------------------|
| Ambient temperature (operation at U <sub>N</sub> )    | -25 ... +60 °C (Device starts at -40 °C (type-tested)) |
| Surrounding air temperature (storage)                 | -25 ... +80 °C                                         |
| Ambient temperature UL (operation at U <sub>N</sub> ) | -25 ... +55 °C                                         |
| Relative humidity                                     | 5 ... 96 % (no condensation permissible)               |
| Derating                                              | -3 %/K (> 45 °C)                                       |

| Standards and specifications |                                                                           |
|------------------------------|---------------------------------------------------------------------------|
| Conformity marking           | CE                                                                        |
| Standards/specifications     | EN 61010-1<br>EN 61010-2-201<br>EN 61204-3<br>UL 60950-1<br>UL 508<br>DNV |

| Commercial data       |                          |
|-----------------------|--------------------------|
| Product Group         | 6 (INTERFACE ELECTRONIC) |
| 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                  | 4050821298236            |
| 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 |
| UL<br>Underwriters Laboratories<br>Inc.     | UL 60950-1                       | E255815                         |

Downloads

Environmental Product Compliance



|                                           |  |  |  |
|-------------------------------------------|--|--|--|
| Compliance Search                         |  |  |  |
| Environmental Product Compliance 787-1001 |  |  |  |

| Documentation |            |                       |                          |
|---------------|------------|-----------------------|--------------------------|
| Bid Text      |            | Instruction Leaflet   |                          |
| 787-1001      | 24.06.2019 | xml<br>6.98 KB        |                          |
| 787-1001      | 12.06.2019 | docx<br>20.75 KB      |                          |
|               |            | Power Supply COM-PACT | 29-03-2021<br>20.12.2021 |
|               |            | pdf                   | 2143.15 KB               |
|               |            |                       |                          |

| CAD/CAE-Data             |                               |
|--------------------------|-------------------------------|
| CAD data                 | CAE data                      |
| 2D/3D Models<br>787-1001 | EPLAN Data Portal<br>787-1001 |
|                          |                               |
|                          | WSCAD Universe<br>787-1001    |
|                          |                               |
|                          | ZUKEN Portal<br>787-1001      |
|                          |                               |

| 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