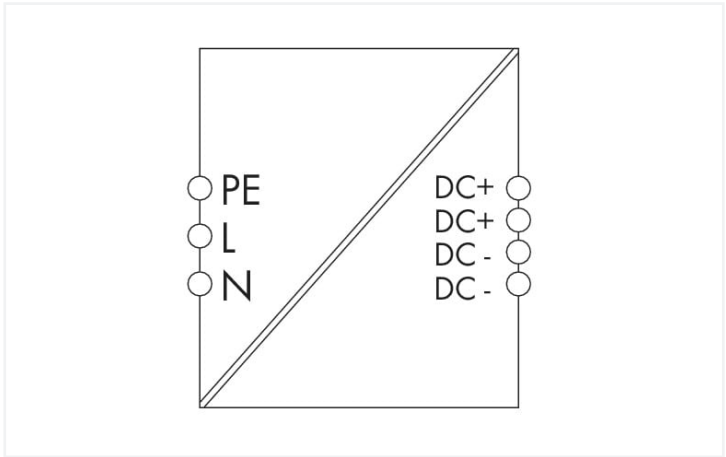




Features:

- Switched-mode power supply
- Stepped profile for installation in standard distribution boards
- Screw mounts for alternative installation in distribution boxes or devices
- Pluggable *picoMAX*® Connection Technology (tool-free)
- Suitable for both parallel and series operation
- Electrically isolated output voltage (SELV) per EN 60335-1 and UL 60950-1; PELV per EN 60204

Technical data

| Input                              |                                           | Output                                     |                                                                                                                                                         |
|------------------------------------|-------------------------------------------|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Phases                             | 1                                         | Nominal output voltage $U_{o\,nom}$        | DC 24 V (SELV)                                                                                                                                          |
| Nominal input voltage $U_{i\,nom}$ | 1 x AC 100 ... 240 V                      | Output voltage range                       | DC 22 ... 26 V (adjustable)                                                                                                                             |
| Input voltage range                | 1 x AC 85 ... 264 V; DC 125 ... 375 V     | Default setting                            | DC 24 V                                                                                                                                                 |
| Input voltage derating             | -2 %/V (< 100 VAC); -1.33 %/V (< 140 VDC) | Nominal output current $I_{o\,nom}$        | 4.2 A; 3.3 A (                                                                                                                                          |
| Nominal mains frequency range      | 47 ... 63 Hz; 0 Hz                        | Nominal output power                       | 100 W                                                                                                                                                   |
| Input current $I_i$                | ≤ 2.5 A                                   | Deviation                                  | ≤ 1 %                                                                                                                                                   |
| Discharge current                  | ≤ 0.25 mA                                 | Deviation, dynamic load change 10 ... 90 % | ≤ 1 %                                                                                                                                                   |
| Inrush current                     | ≤ 20 A                                    | Residual ripple                            | ≤ 100 mV (peak-to-peak)                                                                                                                                 |
| Power factor                       | ≥ 0.5                                     | Overload behavior                          | Constant power (in overload range: 1.05 ... 1.35 x $I_{o\,nom}$ ); Shutdown and automatic restart in the event of a short circuit or permanent overload |
| Power factor correction (PFC)      | passive                                   |                                            |                                                                                                                                                         |
| Mains failure hold-up time         | ≥ 50 ms                                   |                                            |                                                                                                                                                         |

Signaling and communication

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

Efficiency/power losses

|                                |                                |
|--------------------------------|--------------------------------|
| Power loss $P_i$               | ≤ 0.7 W                        |
| Power loss (max.) $P_{i(max)}$ | 15 W (100 VAC / 24 VDC; 4.2 A) |
| Efficiency (typ.)              | 90 % (230 VAC); 87 % (110 VAC) |

Circuit protection

|                             |                                                                            |
|-----------------------------|----------------------------------------------------------------------------|
| Internal fuse               | T 3.15 A / 500 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                  |  | I                                  |
| Protection type                   |  | IP20; per EN 60529                 |
| Resistance to reverse feed        |  | ≤ DC 35 V                          |
| Pollution degree                  |  | 2                                  |
| Transient suppression (primary)   |  | Varistor                           |
| Overvoltage protection; secondary |  | ≤ 31 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   |  | Push-in CAGE CLAMP®                |
| WAGO connector          |  | picoMAX® 5.0, WAGO 2092 Series     |
| Solid conductor         |  | 0.2 ... 2.5 mm² / 24 ... 12 AWG    |
| Fine-stranded conductor |  | 0.2 ... 2.5 mm² / 24 ... 12 AWG    |
| Strip length            |  | 9 ... 10 mm / 0.35 ... 0.39 inches |

| Physical data                     |  |                              |
|-----------------------------------|--|------------------------------|
| Width                             |  | 108 mm / 4.252 inches        |
| Height                            |  | 90 mm / 3.543 inches         |
| Depth                             |  | 56 mm / 2.205 inches         |
| Depth from upper-edge of DIN-rail |  | 52.5 mm / 2.067 inches       |
| Note (dimensions)                 |  | Depth: 48 mm (without cover) |

| Mechanical data |  |                                        |
|-----------------|--|----------------------------------------|
| Mounting type   |  | DIN-35 rail<br>Screw mount (back/side) |

| Material data               |  |         |
|-----------------------------|--|---------|
| Flammability class per UL94 |  | V0      |
| Fire load                   |  | 0 MJ    |
| Weight                      |  | 456.9 g |

| Environmental requirements      |  |                                     |
|---------------------------------|--|-------------------------------------|
| Ambient temperature (operation) |  | -25 ... +70 °C                      |
| Ambient temperature (storage)   |  | -40 ... +85 °C                      |
| Relative humidity               |  | ≤ 95% (no condensation permissible) |
| Derating                        |  | -2.66 %/K (> 55 °C)                 |



| 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 |

| 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                  | 4055143907804 |
| 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 508                           | E255817                         |
| UL<br>Underwriters Laboratories<br>Inc.     | UL 60950-1                       | E255815                         |

Downloads

Environmental Product Compliance

| Compliance Search                            |
|----------------------------------------------|
| Environmental Product<br>Compliance 787-1216 |



Documentation



| Manual                                 |                       |                   |  |
|----------------------------------------|-----------------------|-------------------|--|
| Product Manual COM-PACT Power; 1-phase | V 1.0.0<br>24.11.2020 | pdf<br>1544.13 KB |  |

| Bid Text                    |            |                  |  |
|-----------------------------|------------|------------------|--|
| 787-1216                    | 04.07.2019 | xml<br>7.26 KB   |  |
| 787-1216                    | 12.06.2019 | docx<br>20.66 KB |  |
| ausschreiben.de<br>787-1216 |            |                  |  |

| Instruction Leaflet                        |  |                   |  |
|--------------------------------------------|--|-------------------|--|
| Primär getaktete Stromversorgungen COMPACT |  | pdf<br>1527.06 KB |  |

| CAD/CAE-Data                                                       |                                                                                                                                                   |
|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div>CAD data</div><div>2D/3D Models<br/>787-1216</div></div> | <div><div>CAE data</div><div>EPLAN Data Portal<br/>787-1216</div><div>WSCAD Universe<br/>787-1216</div><div>ZUKEN Portal<br/>787-1216</div></div> |

| 1 Compatible Products       |
|-----------------------------|
| 1.1 Optional Accessories    |
| 1.1.1 Strain relief         |
| 1.1.1.1 Strain relief plate |



**Item No.: 2092-1601**

Gripping plate; for female and male connectors; 1 part; Pin spacing 5 mm; light gray

| 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)