



## Output

|                                     |                                |
|-------------------------------------|--------------------------------|
| Nominal output voltage $U_{o\ nom}$ | DC 24 V (SELV)                 |
| Output voltage range                | DC 23 ... 28,5 V (adjustable)  |
| Default setting                     | DC 24 V                        |
| Nominal output current $I_{o\ nom}$ | 20 A (24 VDC)                  |
| Nominal output power                | 480 W                          |
| Control deviation                   | $\leq 1\ %$                    |
| Residual ripple                     | $\leq 70\ mV$ (peak-to-peak)   |
| Current limitation                  | $1.1 \times I_{o\ nom}$ (typ.) |
| Overload behavior                   | Constant current               |

## Signaling and communication

|                            |  |
|----------------------------|--|
| Signaling                  | 1 x LED DC OK (green)<br>1 x DC OK contact (make contact; max. 30 VAC/DC; 1 A) |
| Operation status indicator | Green LED ( $U_o$ )  |

## Efficiency/Power losses:

|                                   |  |
|-----------------------------------|--|
| Power loss $P_l$                  | $\leq 7,2\ W$ (230 VAC; No load); $\leq 42,4\ W$ (230 VAC; Nominal load) |
| Power loss (max.) $P_{l\ (max.)}$ | 68,3 W (100 VAC / 24 VDC; 20 A)  |
| Efficiency (typ.)                 | 92 %   |

## Fuse protection:

|                           |  |
|---------------------------|--|
| Internal fuse             | T 10 A / 250 VAC   |
| Required backup fusing    | An external DC fuse is required for the DC input voltage.    |
| Recommended backup fusing | Circuit breaker: 10 A, 16 A; Tripping characteristic: B or C |

## Safety and protection:

|                               |                     |
|-------------------------------|---------------------|
| Isolation voltage (Pri.-Sec.) | DC 4,242 kV         |
| Isolation voltage (Pri.-GND)  | DC 2,2 kV           |
| Isolation voltage (Sec.-GND)  | DC 0,7 kV           |
| Protection class              | I                   |
| Protection type               | IP20 (per EN 60529) |
| Resistance to reverse feed    | $\leq DC\ 35\ V$    |
| Overvoltage category          | II                  |

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



|                                   |   |
|-----------------------------------|---|
| Transient suppression (primary)   | Varistor  |
| Overvoltage protection; secondary | Internal protective circuit<br>≤ 40 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/Signaling                              |
| Connection technology     | CAGE CLAMP®                                  |
| WAGO Connector            | WAGO 721 Series                              |
| Solid conductor           | 0,08 ... 2,5 mm <sup>2</sup> / 28 ... 12 AWG |
| Fine-stranded conductor   | 0,08 ... 2,5 mm <sup>2</sup> / 28 ... 12 AWG |
| Strip length              | 8 ... 9 mm / 0.31 ... 0.35 inch              |
| Connection type 2         | Output                                       |
| Connection technology 2   | Push-in CAGE CLAMP®                          |
| WAGO Connector 2          | WAGO 831 Series                              |
| Solid conductor 2         | 0,5 ... 10 mm <sup>2</sup> / 20 ... 8 AWG    |
| Fine-stranded conductor 2 | 0,5 ... 10 mm <sup>2</sup> / 20 ... 8 AWG    |
| Strip length 2            | 13 ... 15 mm / 0.51 ... 0.59 inch            |

### Geometrical Data

|                                   |                     |
|-----------------------------------|---------------------|
| Width                             | 95 mm / 3.74 inch   |
| Height                            | 127 mm / 5 inch     |
| Depth from upper edge of DIN-rail | 170 mm / 6.693 inch |

### Mechanical data

|               |                        |
|---------------|------------------------|
| Mounting type | DIN-35 rail (EN 60715) |
|---------------|------------------------|

### Material Data

|        |        |
|--------|--------|
| Weight | 1600 g |
|--------|--------|

### Environmental Requirements

|   |   |
|---|---|
| Surrounding air temperature (operation) | -25 ... 70 °C (Device starts at -40 °C (type-tested)) |
|---|---|

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