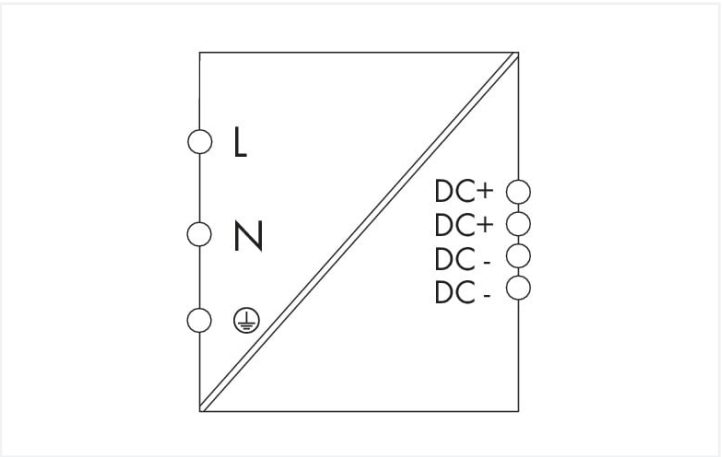




- Features:**
- Switched-mode power supply
  - Natural convection cooling when horizontally mounted
  - Encapsulated for use in control cabinets
  - Suitable for both parallel and series operation
  - Electrically isolated output voltage (SELV) per UL 60950-1; PELV per EN 60204

| 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 ... 28 V (adjustable)                                                                                                      |
| Input voltage range                | 1 x AC 90 ... 264 V; DC 90 ... 373 V | Default setting                     | DC 24 V                                                                                                                          |
| Nominal mains frequency range      | 47 ... 63 Hz; 0 Hz                   | Nominal output current $I_{o\ nom}$ | 10 A (24 VDC)                                                                                                                    |
| Input current $I_i$                | ≤ 1.5 A (230 VAC); ≤ 3 A (115 VAC)   | Nominal output power                | 240 W                                                                                                                            |
| Discharge current                  | ≤ 3.5 mA                             | Deviation                           | ≤ 1 %                                                                                                                            |
| Inrush current                     | ≤ 30 A                               | Residual ripple                     | ≤ 100 mV (peak-to-peak)                                                                                                          |
| Power factor                       | ≥ 0.94 (230 VAC); ≥ 0.98 (115 VAC)   | Overload behavior                   | Constant power (in overload range: 1.15 ... 1.4 x $I_{o\ nom}$ ); Shutdown and automatic restart in the event of a short circuit |
| Power factor correction (PFC)      | active                               |                                     |                                                                                                                                  |
| Mains failure hold-up time         | ≥ 20 ms (230 VAC)                    |                                     |                                                                                                                                  |

| Signaling and communication |                                                 | Efficiency/power losses        |                                  |
|-----------------------------|-------------------------------------------------|--------------------------------|----------------------------------|
| Signaling                   | 1 x LED DC OK (green)<br>1 x Overload LED (red) | Power loss $P_I$               | ≤ 37.5 W (230 VAC; nominal load) |
| Operation status indicator  | Green LED (24 VDC OK)<br>Red LED (overload)     | Power loss (max.) $P_{I(max)}$ | 53 W (110 VAC / 24 VDC; 11 A)    |
|                             |                                                 | Efficiency (typ.)              | 86 % (230 VAC)                   |

| Circuit protection          |                                                              |
|-----------------------------|--------------------------------------------------------------|
| Internal fuse               | F 5 A / 250 VAC                                              |
| Backup fusing (required)    | An external DC fuse is required for the DC input voltage.    |
| Backup fusing (recommended) | 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.-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 28 V                 |
| Overtoltage category            |  | II                        |
| Pollution degree                |  | 2                         |
| Transient suppression (primary) |  | Varistor                  |
| Short-circuit-protected         |  | Yes                       |
| Open-circuit-proof              |  | Yes                       |
| Parallel operation              |  | Yes                       |
| Series operation                |  | Yes                       |
| MTBF                            |  | 480,000 h (per IEC 61709) |

| Connection data                |  |                                   |
|--------------------------------|--|-----------------------------------|
| Connection type 1              |  | Input/output                      |
| Connection technology          |  | CAGE CLAMP®                       |
| WAGO connector                 |  | WAGO 745 Series                   |
| Solid conductor                |  | 0.08 ... 4 mm² / 28 ... 12 AWG    |
| Fine-stranded conductor        |  | 0.08 ... 4 mm² / 28 ... 12 AWG    |
| Strip length                   |  | 8 ... 9 mm / 0.31 ... 0.35 inches |
| Note (conductor cross-section) |  | 12 AWG: THHN, THWN                |

| Physical data                     |  |                       |
|-----------------------------------|--|-----------------------|
| Width                             |  | 110 mm / 4.331 inches |
| Height                            |  | 92 mm / 3.622 inches  |
| Depth from upper-edge of DIN-rail |  | 136 mm / 5.354 inches |

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

| Material data |  |         |
|---------------|--|---------|
| Fire load     |  | 10.1 MJ |
| Weight        |  | 1200 g  |

| Environmental requirements      |  |                                     |
|---------------------------------|--|-------------------------------------|
| Ambient temperature (operation) |  | -10 ... +70 °C                      |
| Ambient temperature (storage)   |  | -25 ... +85 °C                      |
| Relative humidity               |  | ≤ 95% (no condensation permissible) |
| Derating                        |  | -2.33 %/K (> 40 °C; 230 VAC)        |



| Standards and specifications |                                                                                                                |
|------------------------------|----------------------------------------------------------------------------------------------------------------|
| Conformity marking           | CE                                                                                                             |
| Standards/specifications     | EN 62368-1<br>EN 61204-3<br>cURus 60950-1<br>cULus 508<br>ANSI/ISA 12.12.01 (Class I Div. 2)<br>ATEX<br>IEC Ex |

| 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                  | 4045454908140            |
| Customs tariff number | 85044083900              |

| Approvals / Certificates                                                                                                                                               |            |                  |                                                                                                                                                                                                                                                                 |                   |                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------------------|
| General approvals                                                                                                                                                      |            |                  | Approvals for hazardous areas                                                                                                                                                                                                                                   |                   |                            |
|   |            |                  |    |                   |                            |
| Approval                                                                                                                                                               | Standard   | Certificate Name | Approval                                                                                                                                                                                                                                                        | Standard          | Certificate Name           |
| UL<br>Underwriters Laboratories<br>Inc.                                                                                                                                | UL 508     | E255817          | ATEX<br>UL International Demko A/<br>S                                                                                                                                                                                                                          | EN 60079-0        | 12 ATEX 0931267 X          |
| UL<br>Underwriters Laboratories<br>Inc.                                                                                                                                | UL 60950-1 | E255815          | INMETRO<br>TÜV Rheinland do Brasil<br>Ltda.                                                                                                                                                                                                                     | IEC 60079         | TÜV20.1339X                |
|                                                                                                                                                                        |            |                  | UKEx<br>WAGO GmbH & Co. KG                                                                                                                                                                                                                                      | EN 60079-0        | WAGO22UKEX001X_ec<br>nC T3 |
|                                                                                                                                                                        |            |                  | UL<br>UL International Germany<br>GmbH                                                                                                                                                                                                                          | IEC 60079-0       | IECEX UL 10.0006 X         |
|                                                                                                                                                                        |            |                  | UL<br>UL International Germany<br>GmbH (HAZARDOUS LO-<br>CATIONS)                                                                                                                                                                                               | ANSI/ISA 12.12.01 | E198726 Section 5          |

| Downloads                        |
|----------------------------------|
| Environmental Product Compliance |



|                                          |  |  |  |
|------------------------------------------|--|--|--|
| Compliance Search                        |  |  |  |
| Environmental Product Compliance 787-732 |  |  |  |

| Documentation |            |                  |  |                                                                                              |
|---------------|------------|------------------|--|----------------------------------------------------------------------------------------------|
| Bid Text      |            |                  |  | Instruction Leaflet                                                                          |
| 787-732       | 12.07.2019 | xml<br>6.86 KB   |  | CCC Ex (Additional information)<br>pdf<br>127.27 KB<br>                                      |
| 787-732       | 17.07.2019 | docx<br>20.91 KB |  | Primary Switch Mode Power Supply ECO-Power<br>V 2.2.10<br>21.12.2020<br>pdf<br>179.72 KB<br> |

| CAD/CAE-Data             |                               |
|--------------------------|-------------------------------|
| CAD data                 | CAE data                      |
| 2D/3D Models 787-732<br> | EPLAN Data Portal 787-732<br> |
|                          | WSCAD Universe 787-732<br>    |
|                          | ZUKEN Portal 787-732<br>      |

| 1 Compatible Products    |
|--------------------------|
| 1.1 Optional Accessories |
| 1.1.1 Tool               |
| 1.1.1.1 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