



- Redundancy module with 2 inputs for decoupling 2 power supplies
- For redundant or uninterruptible power supply
- With potential-free contact for input voltage monitoring

| Technical Data | |
|-----------------------------------|--|
| Input: | |
| Nominal input voltage V_i nom | 2 x 48 V DC |
| Input voltage range | 36 V ... 54 V DC |
| Input current I_i | 2 x 20 A, max. 1 x 40 A |
| Output: | |
| Nominal output voltage V_o nom | 48 V DC |
| Output voltage range | $V_e - 1$ V DC |
| Output current I_o | 20 A, max. 40 A |
| Operational indication | LED green (V_o), 2 x LED yellow (V_i) |
| Signaling | 1 x floating relay contact 30 V DC, 1 A |
| Efficiency / power losses: | |
| Efficiency | 96 % typ. |
| Power loss P_v | 1.7 W (48 VDC/no load) / 20 W (48 VDC/rated load) (20 A) / 40 W (48 VDC/rated load) (40 A) |
| Fuse protection: | |
| Internal fuse | no |

| Description | Item No. | Pack. Unit |
|---|--|------------|
| Redundancy Module | 787-886 | 1 |
| 48 VDC, 2 x 20 A / 1 x 40 A | | |
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| Technical Data | | |
| Environmental requirements: | | |
| Ambient operating temperature | -10 °C ... +60 °C | |
| Storage temperature | -25 °C ... +85 °C | |
| Rel. humidity | 30 % ... 85 % (no condensation) | |
| Safety and protection: | | |
| Test voltage | 500 V DC (terminals to enclosure) | |
| Protection class | III | |
| Reverse voltage protection | yes | |
| Degree of protection | IP20 (acc. to EN 60529) | |
| Feedback voltage | max. 60 VDC | |
| Parallel operation | yes | |
| MTBF | > 500000 h (acc. to IEC 61709) | |
| Connection and type of mounting: | | |
| Wire connection | Input/Output: WAGO 831 Series Relay: WAGO 231 Series | |
| Cross sections | Input/Output: 0.5 mm ² ... 10 mm ² / AWG 20 ... 8 Relay: 0.08 mm ² ... 2.5 mm ² / AWG 28 ... 12 | |
| Strip lengths | Input/Output: 13 ... 15 mm / 0.55 in Relay: 8 ... 9 mm / 0.33 in | |
| Type of mounting | DIN-rail mounting (EN 60715) in 2 positions | |
| Dimensions and weight: | | |
| Dimensions (mm) W x H x L | 40 x 181 x 163 Length from upper-edge of DIN 35 rail | |
| Weight | 860 g | |
| Standards and approvals: | | |
| Standards/Specifications | EN 60950, UL 60950*, UL 508*, EN 61000-6-2, EN 61000-6-3 (* pending) | |