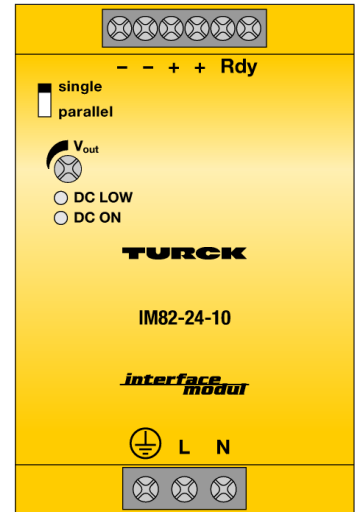
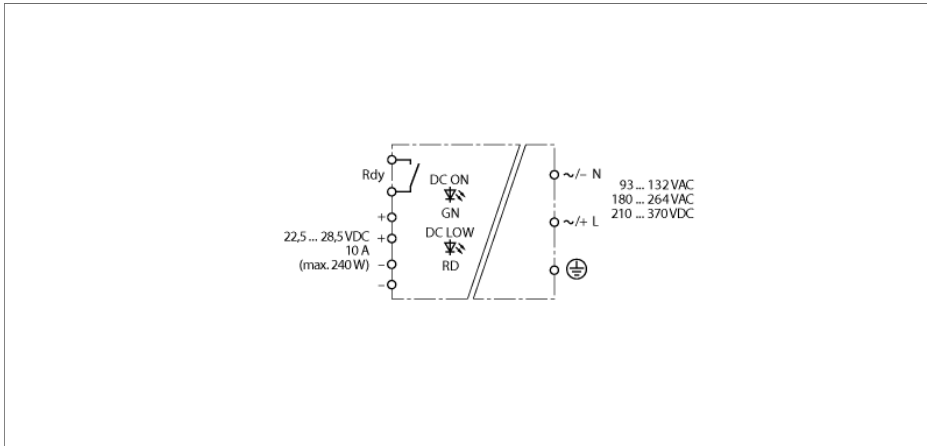


**Switching power supply
IM82-24-10**



The IM82-24-10 power supply is designed for DC loads, especially for switching and monitoring devices of the TURCK interface module series IM, IME, IMB, IMS and IMC.

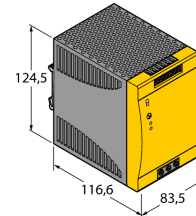
The power supply provides 24 VDC output voltage and 10 A output current. With the potentiometer V_{out} the output voltage can be adjusted in a range between 22.5...28.5 VDC. The device provides safety extra-low voltage (SELV) according to EN 60950.

The power supply can be set to single or parallel operating mode.

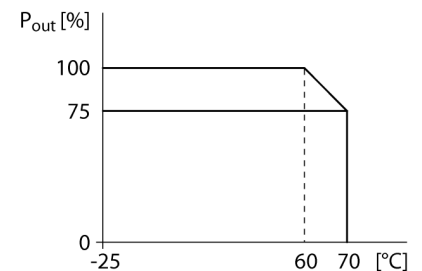
- **Class 1, Div 2**
- **Safety extra-low voltage SELV IEC/ EN 60950**
- **Output voltage adjustable 22.5...28.5 VDC**
- **Nominal current 10 A**
- **Single/parallel operation**
- **Surge protection**
- **Universal operating voltage**
- **Mains buffering up to 30 ms**
- **High efficiency**
- **Natural air cooling**
- **Power-good relay**

| | |
|------------------------------|---|
| Type code | IM82-24-10 |
| Ident no. | 7545043 |
| Nominal voltage | Universal voltage supply unit |
| Operating voltage | 90...132 VAC and 186...264 VAC |
| Frequency | 47...73 Hz |
| Operating voltage range | 210...370 VDC |
| Power consumption | ≤ 276 VA |
| PFC | 0.7 |
| Efficiency | 89 % |
| External fuse | B10A, C6A |
| Internal fuse | T6,3A/250VAC |
| inrush current | Ui=115VAC, 30A; Ui=230VAC, 60A |
| Mains buffering | Ui=115VAC, 25ms; Ui= 230VAC, 30ms |
| Nominal voltage | 24 V |
| Adjustment range | 22.5...28.5V |
| Nominal current | 10 A |
| Output circuits (digital) | relay (NO), > 17.6 ... 19.4V |
| Relay switching voltage | ≤ 60 VDC |
| Switching current per output | ≤ 300 mA |
| Overload protection | 110-150% |
| Surge limiting | 120-145 % |
| Parallel mode | yes, switchover initiated by a switch, max. 3 devices each with 90 % load current |
| Ripple | 100 mV |
| Pollution degree | 2 |
| Surge category | II |
| Short-circuit behaviour | Current limiting |
| Limit frequency | ≤ 40000 Hz |
| Galvanic separation | |
| Test voltage | 3.0 kV |
| Indication | |
| Operational readiness | green |
| Error indication | red |
| Protection class | IP20 |
| Ambient temperature | -25...+70 °C |
| Storage temperature | -25...+85°C |
| Derating | -2.5%/°C from 60°C |
| Relative humidity | ≤ 95% |
| Dimensions | 124.5x 83.5x 116.6 mm |
| Weight | 1493 g |
| Mounting instruction | For mounting on DIN rail |
| Housing material | Metal |
| Electrical connection | Screw terminals |
| Terminal cross-section | 0.2...2.0 mm ² |
| Tightening torque | 0.5 Nm |

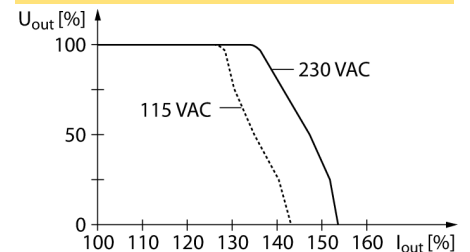
Dimensions



Derating



Short-circuit behaviour



parallel connection

