



## wipos PB1 24-1

### Technical Data

| wipos PB1 24-1   |                       | Part number: 81.000.6310.0   |
|--|-----------------------|--|
| Rated input voltage AC   | [U <sub>IN,AC</sub> ] | 100 - 240 V AC   |
| Line frequency AC  |                       | 47 – 63 Hz   |
| Power factor correction filter (PFC)                                 |                       | not necessary  |
| Input voltage range AC   | [U <sub>I,AC</sub> ]  | 90 ... 264 V AC  |
| Input voltage range DC   | [U <sub>I,DC</sub> ]  | 120 ... 375 V DC   |
| Rated input current (U <sub>I,AC</sub> = 115 V, I <sub>ON</sub> )    |                       | 0.68 A typ. / 0.9 A max.   |
| Inrush current (U <sub>I</sub> = 115 V / 230 V AC, I <sub>ON</sub> ) |                       | max. 25 A / max. 50 A  |
| Input fuse   |                       | T 2A / 250 V AC (internal)   |
| Hold up time (U <sub>I</sub> = 115 V / 230 V AC, I <sub>ON</sub> )   |                       | > 20 ms / > 100 ms   |
| Input surge voltage protection                                       |                       | Varistor   |
| Isolation voltage (input / output)                                   |                       | 3000 V AC / 4242 V DC  |
| Isolation resistance (input / output)                                |                       | 100 MOhm   |
| Switching frequency typ.   |                       | 65 kHz   |
| Ventilation / Cooling  |                       | Free air convection  |
| Mounting conditions (free space)                                     |                       | 25 mm in all directions  |
| Pollution degree   |                       | 2  |
| Operating ambient temperature  | [T <sub>U</sub> ]     | -25 °C . . . +71 °C  |
| Humidity in operation  |                       | 20 – 95 % RH   |
| Storage temperature  | [T <sub>U</sub> ]     | -25 °C . . . +85 °C  |
| Mounting on  |                       | DIN rail 35 mm (EN 60715)  |
| Degree of protection   |                       | IP 20  |
| MTBF   |                       | 832000 h   |
| Dimensions (W x H x D)   |                       | 35 x 91 x 57 mm  |
| Weight   |                       | ca. 0.13 kg  |
| Housing material   |                       | Plastic  |
| Connector cross section  |                       |  |
| cross section min.   | solid/stranded        | 0.2 mm <sup>2</sup> (AWG26)  |
| cross section max.   | solid/stranded        | 2.5 mm <sup>2</sup> (AWG12)  |
| Strip length   |                       | 4-5 mm   |
| Torque   |                       | 0.6 Nm max.  |
| Approvals and standards  |                       |  |
| UL / cULus   |                       | UL 508 Listed, UL60950-1 Recognized  |
| CE   |                       | EN61000-6-3, EN 55022 Class B,<br>EN61000-3-2, EN61000-3-3, EN61000-6-2,<br>EN55024, EN61000-4-2, Level 3,<br>EN61000-4-3 Level 3, EN61000-4-4 Level 4,<br>EN61000-4-5 L-N Level 3, EN61000-4-6 Level<br>3, EN61000-4-8 Level 4, EN61000-4-11,<br>ENV50204 Level 2, EN60204-1, EN61204-3 |
| Control elements   |                       |  |
| Vout Adjust  |                       | Trim potentiometer for U <sub>out</sub> adjustment   |
| Terminal connections   |                       |  |
| -  |                       | 2 x output voltage 24 V DC, negative output<br>(internally connected)  |
| +  |                       | 2 x output voltage 24 V DC, positive output<br>(internally connected)  |
| L  |                       | AC: phase conductor, DC: no polarity   |
| N  |                       | AC: neutral conductor, DC: no polarity   |