


## wipos Power supply units


Pure Power. No-Frills.

Power supplies perform a central function in the control cabinet. Their reliability affects the availability of the machine or the process to a great degree. That is why a robust and proven design is very important for a power supply unit. There are no unnecessary frills with the **wipos** family. Instead, these power supply units score with their fundamental features.

**wipos** satisfies your requirements in the significant disciplines:


 **100% power** up to 60°C


 **Automatic or wide-input voltage range** for worldwide use


 **PFC-technology** for high functional reliability


 **Outdoor installation possible** due to wide temperature range

 **Active monitoring** with signalling contact

 Can be connected in **parallel (from 5 A)** to increase power and redundancy

 **High operational reliability** due to long hold-up times >30 ms

 **Compensation of voltage drops** via adjustable output voltage

 **Easy to commission** via LED diagnosis

 **For mounting** on DIN Rail TS 35 / TS 32



# wipos P1 Modules

**Power supply wipos**  
**P1 24-1.25**  
**P1 24-2.5**



| Type                      | Part No.                                   | Part No.                                   |
|---------------------------|--|--|
| <b>wipos P1 24-1.25</b>   | 81.000.6110.0                              |  |
| <b>wipos P1 24-2.5</b>    |  | 81.000.6120.0                              |
| <b>Technical Data</b>     |  |  |
| Input voltage             | 85 – 264 V AC, 90 – 375 V DC               |  |
| PFC                       | not necessary                              | not necessary                              |
| Hold up time              | > 30 ms at 230 V                           | > 30 ms at 230 V                           |
| Output voltage            | 24 – 28 V                                  | 24 – 28 V                                  |
| Output current            | 1.25 A                                     | 2.5 A                                      |
| Parallel operation        | no   | no   |
| In series connectable     | yes  | yes  |
| Temperature range         | -40 ... +70 °C                             | -40 ... +70 °C                             |
| Derating                  | > 60 °C                                    | > 60 °C                                    |
| Signal contact            | yes  | yes  |
| Dimensions (mm) W x H x D | 40,5 x 90 x 114                            | 40,5 x 90 x 114                            |
| Weight                    | 290 g                                      | 360 g                                      |
| Type of connectors        | Screw terminal                             | Screw terminal                             |
| Connector size            | 0.2 – 2.5 mm <sup>2</sup> (AWG 24–14)      | 0.2 – 2.5 mm <sup>2</sup> (AWG 24–14)      |
| Efficiency                | 83 – 86 %                                  | 86 – 89 %                                  |
| Approvals                 | CE  UL 1310 Class 2<br>Haz.  Class I Div.2 | CE  UL 1310 Class 2<br>Haz.  Class I Div.2 |

**Power supply wipos**  
**P1 24-3.8**  
**P1 24-5**



| Type                      | Part No.                                   | Part No.                            |
|---------------------------|--|-------------------------------------|
| <b>wipos P1 24-3.8</b>    | 81.000.6135.0                              |                                     |
| <b>wipos P1 24-5</b>      |  | 81.000.6130.0                       |
| <b>Technical Data</b>     |  |                                     |
| Input voltage             | 115/230V AC auto, 210 – 375V DC            |                                     |
| PFC                       | yes  | yes                                 |
| Hold up time              | > 30 ms at 230 V                           | > 30 ms at 230 V                    |
| Output voltage            | 22.5 – 24,5 V                              | 22.5 – 28.5 V                       |
| Output current            | 3.8 A                                      | 5 A                                 |
| Parallel operation        | no   | yes (up to 3)                       |
| In series connectable     | yes  | yes                                 |
| Temperature range         | -35 ... +70 °C                             | -35 ... +70 °C                      |
| Derating                  | > 60 °C                                    | > 60 °C                             |
| Signal contact            | yes  | yes                                 |
| Dimensions (mm) W x H x D | 64 x 124.5 x 123.6                         | 64 x 124.5 x 123.6                  |
| Weight                    | 920 g                                      | 920 g                               |
| Type of connectors        | Screw terminal                             | Screw terminal                      |
| Connector size            | 0.5 – 6 mm <sup>2</sup> (AWG 22–10)        | 0.5 – 6 mm <sup>2</sup> (AWG 22–10) |
| Efficiency                | 83 – 85 %                                  | 84 – 86 %                           |
| Approvals                 | CE  UL 1310 Class 2<br>Haz.  Class I Div.2 | CE  Haz.  Class I Div.2             |

**Power supply wipos**  
**P1 24-10**  
**P1 24-20**



| Type                      | Part No.                            | Part No.                            |
|---------------------------|-------------------------------------|-------------------------------------|
| <b>wipos P1 24-10</b>     | 81.000.6140.0                       |                                     |
| <b>wipos P1 24-20</b>     |                                     | 81.000.6150.0                       |
| <b>Technical Data</b>     |                                     |                                     |
| Input voltage             | 115/230V AC auto, 210–375V DC       | 115/230V AC auto 120–370V DC        |
| PFC                       | yes                                 | yes                                 |
| Hold up time              | > 30 ms at 230 V                    | > 30 ms at 230 V                    |
| Output voltage            | 22.5 – 28.5 V                       | 22.5 – 28.5 V                       |
| Output current            | 10 A                                | 20A                                 |
| Parallel operation        | yes (up to 3)                       | yes (up to 3)                       |
| In series connectable     | yes                                 | yes                                 |
| Temperature range         | -40 ... +70 °C                      | -40 ... +70 °C                      |
| Derating                  | > 60 °C                             | > 55 °C                             |
| Signal contact            | yes                                 | yes                                 |
| Dimensions (mm) W x H x D | 83.5 x 124.5 x 123.6                | 175.5 x 124.5 x 123.6               |
| Weight                    | 1300 g                              | 1920 g                              |
| Type of connectors        | Screw terminal                      | Screw terminal                      |
| Connector size            | 0.5 – 6 mm <sup>2</sup> (AWG 22–10) | 0.5 – 6 mm <sup>2</sup> (AWG 22–10) |
| Efficiency                | 87 – 89 %                           | 86 – 89 %                           |
| Approvals                 | CE  Haz.  Class I Div.2             | CE  Haz.  Class I Div.2             |

## wipos P1 Modules

### Power supply *wipos* P1 12-5



| Type                      | Part No.                                |
|---------------------------|---|
| <b>wipos P1 12-5</b>      | 81.000.6132.0                           |
| <b>Technical Data</b>     |   |
| Input voltage             | 85 – 264 V AC, 90 – 375 V DC            |
| PFC                       | not necessary                           |
| Hold up time              | > 30 ms at 230 V                        |
| Output voltage            | 12 – 14 V                               |
| Output current            | 5 A                                     |
| Parallel operation        | no                                      |
| In series connectable     | yes                                     |
| Temperature range         | -40 ... +70 °C                          |
| Derating                  | >61 °C                                  |
| Signal contact            | no                                      |
| Dimensions (mm) W x H x D | 40.5 x 90 x 114                         |
| Weight                    | 340 g                                   |
| Type of connectors        | Screw terminal                          |
| Connector size            | 0,2 – 2,5 mm <sup>2</sup> (AWG 24 – 14) |
| Efficiency                | 86 %                                    |
| Approvals                 | CE  Haz.  Class I Div.2                 |

### Power supply *wipos* P1 12-10



| Type                      | Part No.                              |
|---------------------------|---------------------------------------|
| <b>wipos P1 12-10</b>     | 81.000.6142.0                         |
| <b>Technical Data</b>     |                                       |
| Input voltage             | 115/230 V AC auto, 210 – 375 V DC     |
| PFC                       | not necessary                         |
| Hold up time              | > 30 ms at 230 V                      |
| Output voltage            | 11,4 – 14,5 V                         |
| Output current            | 10 A                                  |
| Parallel operation        | yes (up to 3)                         |
| In series connectable     | yes                                   |
| Temperature range         | -35 ... +70 °C                        |
| Derating                  | >61 °C                                |
| Signal contact            | no                                    |
| Dimensions (mm) W x H x D | 64 x 124.5 x 123.6                    |
| Weight                    | 920 g                                 |
| Type of connectors        | Screw terminal                        |
| Connector size            | 0,5 – 6 mm <sup>2</sup> (AWG 22 – 10) |
| Efficiency                | 84 %                                  |
| Approvals                 | CE  Haz.  Class I Div.2               |

### Power supply *wipos* P1 48-5



| Type                      | Part No.  |
|---------------------------|---|
| <b>wipos P1 48-5</b>      | 81.000.6134.0   |
| <b>Technical Data</b>     |   |
| Input voltage             | 115/230 V AC auto, 210 – 375 V DC                     |
| PFC                       | not necessary   |
| Hold up time              | >30 ms at 230 V                                       |
| Output voltage            | 47 – 56 V   |
| Output current            | 5 A   |
| Parallel operation        | yes (up to 3)   |
| In series connectable     | yes   |
| Temperature range         | -40 ... +70 °C  |
| Derating                  | >61 °C  |
| Signal contact            | no  |
| Dimensions (mm) W x H x D | 83.5 x 124.5 x 123.6                                  |
| Weight                    | 1380 g  |
| Type of connectors        | Screw terminal  |
| Connector size            | 0,5 – 6 mm <sup>2</sup> solid/fine str. (AWG 22 – 10) |
| Efficiency                | 90 %  |
| Approvals                 | CE  Haz.  Class I Div.2                               |



## wipos P3 Modules

**Power supply wipos**  
**P3 24-5**  
**P3 24-10**



| Type                      | Part No.                      | Part No.                      |
|---------------------------|-------------------------------|-------------------------------|
| <b>wipos P3 24-5</b>      | 81.000.6160.0                 |                               |
| <b>wipos P3 24-10</b>     |                               | 81.000.6170.0                 |
| <b>Technical Data</b>     |                               |                               |
| Input voltage             | 340 – 575VAC 480 – 820VDC     | 340 – 575VAC 480 – 820VDC     |
| PFC                       | yes (0.55)                    | yes (0.6)                     |
| Hold up time              | 20 ms                         | 20 ms                         |
| Output voltage            | 22.5 – 28.5 V                 | 22.5 – 28.5 V                 |
| Output current            | 5A                            | 10A                           |
| Parallel operation        | yes (up to 2)                 | yes (up to 2)                 |
| In series connectable     | yes                           | yes                           |
| Temperature range         | -40 ... +70 °C                | -40 ... +70 °C                |
| Derating                  | > 60 °C                       | > 60 °C                       |
| Signal contact            | yes                           | yes                           |
| Dimensions (mm) W x H x D | 75 x 124 x 119                | 89 x 124 x 119                |
| Weight                    | 800 g                         | 1100 g                        |
| Type of connectors        | Screw terminal                | Screw terminal                |
| Connector size            | to 6 mm <sup>2</sup> (AWG 10) | to 6 mm <sup>2</sup> (AWG 10) |
| Efficiency                | 88 – 90 %                     | 88 – 90 %                     |
| Approvals                 | CE  Haz.  Class I Div.2       | CE  Haz.  Class I Div.2       |

**Power supply wipos**  
**P3 24-20**



| Type                      | Part No.                      |
|---------------------------|-------------------------------|
| <b>wipos P3 24-20</b>     | 81.000.6180.0                 |
| <b>Technical Data</b>     |                               |
| Input voltage             | 340 – 575VAC 480 – 820VDC     |
| PFC                       | yes (0.7)                     |
| Hold up time              | 20 ms                         |
| Output voltage            | 22.5 – 28.5V                  |
| Output current            | 20A                           |
| Parallel operation        | yes (up to 2)                 |
| In series connectable     | yes                           |
| Temperature range         | -30 ... +70 °C                |
| Derating                  | > 60 °C                       |
| Signal contact            | yes                           |
| Dimensions (mm) W x H x D | 150 x 124 x 119               |
| Weight                    | 1750 g                        |
| Type of connectors        | Screw terminal                |
| Connector size            | to 6 mm <sup>2</sup> (AWG 10) |
| Efficiency                | 88 – 90 %                     |
| Approvals                 | CE  Haz.  Class I Div.2       |

**Power supply wipos**  
**P3 24-40**



| Type                      | Part No.  |
|---------------------------|---|
| <b>wipos P3 24-40</b>     | 81.000.6190.0   |
| <b>Technical Data</b>     |   |
| Input voltage             | 340 – 575VAC 480 – 820VDC   |
| PFC                       | yes (0.7)   |
| Hold up time              | 15 ms   |
| Output voltage            | 22.5 – 28.5 V   |
| Output current            | 40 A  |
| Parallel operation        | yes (up to 2)   |
| In series connectable     | yes   |
| Temperature range         | -40 ... +70 °C  |
| Derating                  | > 60 °C   |
| Signal contact            | yes   |
| Dimensions (mm) W x H x D | 276 x 127 x 119   |
| Weight                    | 3200 g  |
| Type of connectors        | Screw terminal  |
| Connector size            | to 6 mm <sup>2</sup> (AWG 10)/ output to 16 mm <sup>2</sup> (AWG 6) |
| Efficiency                | 90 – 92 %   |
| Approvals                 | CE  Haz.  Class I Div.2   |

Further Modules available on request.

# wipos Modules

## Redundancy module *wipos* R20



| Type                               | Part No.                              |
|------------------------------------|---------------------------------------|
| <b>wipos R20</b>                   | 81.000.6200.0                         |
| <b>Technical Data</b>              |                                       |
| Input voltage                      | 21 – 28 V DC                          |
| Input current                      | 20 A (in total)                       |
| Output current                     | 20 A                                  |
| Typical voltage drop               | 0,5 V                                 |
| Temperature range                  | -40 ... +70 °C                        |
| Signal contact                     | one each for channel A and B          |
| Signal contact                     | 1 A at 30 V DC                        |
| Display/Relay OK                   | Input voltage 20...30 V (+/-5 %)      |
| Display/Relay fail                 | Input voltage <20 V or >30 V (+/-5 %) |
| Dimensions (mm) W x H x D          | 54 x 90 x 114                         |
| Weight                             | 210 g                                 |
| Type of connectors                 | Screw terminal                        |
| Connector size                     | 0,2 – 2,5 mm <sup>2</sup> (AWG 24–12) |
| Connector size for signal contacts | 0,2 – 1,5 mm <sup>2</sup> (AWG 24–14) |
| Approvals                          | CE                                    |

## Fusing module *wipos* FM 4-10



| Type                           | Part No.   |
|--------------------------------|--|
| <b>wipos FM 4-10</b>           | 81.000.6210.0  |
| <b>Technical Data</b>          |  |
| Input voltage                  | 18 – 30 V  |
| Output current via all 4 fuses | 40 A max.  |
| Output voltage                 | 24 V (equivalent to input voltage)   |
| Number of fusing circuits      | 4  |
| Nominal current of fuse        | max. 10 A (check power losses of fuse)   |
| Fuses                          | 4 x G-fuse holder 5 x 20 mm  |
| LED                            | one per fuse, LED lights whe fuse is broken  |
| Alarm contact                  | yes  |
| Temperature range              | 0 ... +60 °C   |
| Dimensions (mm) W x H x D      | 48 x 96 x 68   |
| Mounting type                  | DIN rail mounting  |
| Weight                         | 110 g  |
| Type of connectors             | Screw terminal   |
| Connector size input           | 10 mm <sup>2</sup> (AWG 8)   |
| Connector size output          | up to 4 mm <sup>2</sup> (AWG 12) solid, 2,5 mm <sup>2</sup> (AWG 14) fine-stranded |
| Approvals                      | CE   |













## Uninterrupted power supply *wipos* UPS 24-30



| Type                                    | Part No.                          |
|---|-----------------------------------|
| <b>wipos UPS 24-30</b>                  | 81.000.6220.0                     |
| <b>Technical Data</b>                   |                                   |
| Rated input voltage $U_{IN}$            | 24 V DC                           |
| Input current                           | max. 35 A                         |
| Rated output voltage $U_{OUT}$          | 24 V DC                           |
| Output current $I_{OUT}$                | max. 30 A                         |
| Output voltage (battery mode)           | 18,7 – 28,0 V                     |
| Output current (battery mode)           | max. 30 A                         |
| Temperature range                       | -40 ... +70 °C                    |
| Derating                                | > 51 °C                           |
| Signal contact mains or battery current | yes                               |
| Signal contact discharge battery        | yes                               |
| Signal contact broken battery           | yes                               |
| Battery type                            | Lead-acid or lead-gel             |
| Battery size                            | 2 ... 12 Ah / 2 x 12 V            |
| Dimensions (mm) W x H x D               | 54 x 90 x 114                     |
| Weight                                  | 370 g                             |
| Type of connectors                      | Screw terminal                    |
| Connector size                          | 0,2–4 mm <sup>2</sup> (AWG 24–12) |
| Approvals                               | CE                                |



## wipos PB1 Modules

|   |  |  |               |               |
|---|--|--|---------------|---------------|
| <b>Power supply wipos</b><br><b>PB1 5-1.5</b><br><b>PB1 5-3</b>       |   | Type   | Part No.      | Part No.      |
|   |  | <b>wipos PB1 5-1.5</b><br><b>wipos PB1 5-3</b>   | 81.000.6321.0 | 81.000.6331.0 |
| <b>Technical Data</b>   |  |  |               |               |
| Input voltage   | 90 – 264 V AC, 120 – 375 V DC  | 90 – 264 V AC, 120 – 375 V DC  |               |               |
| PFC   | not necessary  | not necessary  |               |               |
| Hold up time  | > 30 ms at 230 V   | > 80 ms at 230 V   |               |               |
| Output voltage  | 5 V  | 5 – 5.5 V  |               |               |
| Output current  | 1.5 A  | 3 A  |               |               |
| Temperature range   | -40 ... +70 °C   | -40 ... +70 °C   |               |               |
| Derating  | > 61 °C  | > 61 °C  |               |               |
| LED display   | yes  | yes  |               |               |
| Dimensions W x H x D  | 18 x 91 x 57   | 35 x 91 x 57   |               |               |
| Installation dimensions   | for junction boxes and flat control panels   | for junction boxes and flat control panels   |               |               |
| Mounting type   | DIN rail mounting  | DIN rail mounting  |               |               |
| Weight  | 65 g   | 130 g  |               |               |
| Type of connectors  | Screw terminal   | Screw terminal   |               |               |
| Connector size  | 0.2 – 2.5 mm <sup>2</sup> (AWG 24–14)  | 0.2 – 2.5 mm <sup>2</sup> (AWG 24–14)  |               |               |
| Efficiency  | 74 %   | 82 %   |               |               |
| Approvals   | CE  UL 1310 Class 2<br>Haz.  Class I Div.2 | CE  UL 1310 Class 2   |               |               |
| <b>Power supply wipos</b><br><b>PB1 12-0.83</b><br><b>PB1 24-0.42</b> |   | Type   | Part No.      | Part No.      |
|   |  | <b>wipos PB1 12-0.83</b><br><b>wipos PB1 24-0.42</b>   | 81.000.6302.0 | 81.000.6300.0 |
| <b>Technical Data</b>   |  |  |               |               |
| Input voltage   | 90 – 264 V AC, 120 – 375 V DC  | 90 – 264 V AC, 120 – 375 V DC  |               |               |
| PFC   | not necessary  | not necessary  |               |               |
| Hold up time  | > 30 ms at 230 V   | > 30 ms at 230 V   |               |               |
| Output voltage  | 12 V   | 24 – 28 V  |               |               |
| Output current  | 0.83 A   | 0.42 A   |               |               |
| Temperature range   | -40 ... +70 °C   | -25 ... +70 °C   |               |               |
| Derating  | > 61 °C: 100 %, 70 °C: 75 %  | > 60 °C  |               |               |
| LED display   | yes  | yes  |               |               |
| Dimensions W x H x D  | 18 x 91 x 57   | 18 x 91 x 57   |               |               |
| Installation dimensions   | for junction boxes and flat control panels   | for junction boxes and flat control panels   |               |               |
| Mounting type   | DIN rail mounting  | DIN rail mounting  |               |               |
| Weight  | 65 g   | 65 g   |               |               |
| Type of connectors  | Screw terminal   | Screw terminal   |               |               |
| Connector size  | 0.2 – 2.5 mm <sup>2</sup> (AWG 24–14)  | 0.2 – 2.5 mm <sup>2</sup> (AWG 24–14)  |               |               |
| Efficiency  | 78 %   | 80 %   |               |               |
| Approvals   | CE  Haz.  Class I Div.2                | CE  UL 1310 Class 2<br>Haz.  Class I Div.2 |               |               |
| <b>Power supply wipos</b><br><b>PB1 12-2</b><br><b>PB1 24-1</b>       |   | Type   | Part No.      | Part No.      |
|   |  | <b>wipos PB1 12-2</b><br><b>wipos PB1 24-1</b>   | 81.000.6322.0 | 81.000.6310.0 |
| <b>Technical Data</b>   |  |  |               |               |
| Input voltage   | 90 – 264 V AC, 120 – 375 V DC  | 90 – 264 V AC, 120 – 375 V DC  |               |               |
| PFC   | not necessary  | not necessary  |               |               |
| Hold up time  | > 80 ms at 230 V   | > 80 ms at 230 V   |               |               |
| Output voltage  | 12 – 14 V  | 24 – 28 V  |               |               |
| Output current  | 2 A  | 1 A  |               |               |
| Temperature range   | -40 ... +70 °C   | -25 ... +70 °C   |               |               |
| Derating  | > 61 °C: 100 %, 70 °C: 75 %  | > 60 °C  |               |               |
| LED display   | yes  | yes  |               |               |
| Dimensions W x H x D  | 35 x 91 x 57   | 35 x 91 x 57   |               |               |
| Installation dimensions   | for junction boxes and flat control panels   | for junction boxes and flat control panels   |               |               |
| Mounting type   | DIN rail mounting  | DIN rail mounting  |               |               |
| Weight  | 130 g  | 130 g  |               |               |
| Type of connectors  | Screw terminal   | Screw terminal   |               |               |
| Connector size  | 0.2 – 2.5 mm <sup>2</sup> (AWG 24–14)  | 0.2 – 2.5 mm <sup>2</sup> (AWG 24–14)  |               |               |
| Efficiency  | 84 %   | 85 %   |               |               |
| Approvals   | CE  UL 1310 Class 2   | CE  UL 1310 Class 2   |               |               |

# wipos PB1 Modules

**Power supply wipos**  
**PB1 12-2.75**  
**PB1 24-1.5**



| Type                     | Part No.                                   | Part No.                                   |
|--------------------------|--|--|
| <b>wipos PB1 12-2.75</b> | 81.000.6332.0                              |  |
| <b>wipos PB1 24-1.5</b>  |  | 81.000.6320.0                              |
| <b>Technical Data</b>    |  |  |
| Input voltage            | 90 – 264 V AC, 120 – 375 V DC              | 90 – 264 V AC, 120 – 375 V DC              |
| PFC                      | not necessary                              | not necessary                              |
| Hold up time             | > 60 ms at 230 V                           | > 100 ms at 230 V                          |
| Output voltage           | 12 – 14 V                                  | 24 – 28 V                                  |
| Output current           | 4.5 A                                      | 1.5 A                                      |
| Temperature range        | -40 ... +70 °C                             | -25 ... +70 °C                             |
| Derating                 | > 56 °C                                    | > 56 °C                                    |
| LED display              | yes  | yes  |
| Dimensions W x H x D     | 71 x 91 x 57                               | 53 x 91 x 57                               |
| Installation dimensions  | for junction boxes and flat control panels | for junction boxes and flat control panels |
| Mounting type            | DIN rail mounting                          | DIN rail mounting                          |
| Weight                   | 250 g                                      | 190 g                                      |
| Type of connectors       | Screw terminal                             | Screw terminal                             |
| Connector size           | 0.2 – 2.5 mm <sup>2</sup> (AWG 24–14)      | 0.2 – 2.5 mm <sup>2</sup> (AWG 24–14)      |
| Efficiency               | 84 %                                       | 84 %                                       |
| Approvals                | CE  UL 1310 Class 2                        | CE  UL 1310 Class 2                        |

**Power supply wipos**  
**PB1 12-4.5**  
**PB1 24-2.5**



| Type                    | Part No.                                   | Part No.                                   |
|-------------------------|--|--|
| <b>wipos PB1 12-4.5</b> | 81.000.6342.0                              |  |
| <b>wipos PB1 24-2.5</b> |  | 81.000.6330.0                              |
| <b>Technical Data</b>   |  |  |
| Input voltage           | 90 – 264 V AC, 120 – 375 V DC              | 90 – 264 V AC, 120 – 375 V DC              |
| PFC                     | not necessary                              | not necessary                              |
| Hold up time            | > 60 ms at 230 V                           | > 60 ms at 230 V                           |
| Output voltage          | 12 – 14 V                                  | 24 – 28 V                                  |
| Output current          | 4,5 A                                      | 2,5 A                                      |
| Temperature range       | -40 ... +70 °C                             | -25 ... +70 °C                             |
| Derating                | > 56 °C                                    | > 60 °C                                    |
| LED display             | ja   | yes  |
| Dimensions W x H x D    | 71 x 91 x 57                               | 71 x 91 x 57                               |
| Installation dimensions | for junction boxes and flat control panels | for junction boxes and flat control panels |
| Mounting type           | DIN rail mounting                          | DIN rail mounting and screw connection     |
| Weight                  | 250 g                                      | 250 g                                      |
| Type of connectors      | Screw terminal                             | Screw terminal                             |
| Connector size          | 0.2 – 2.5 mm <sup>2</sup> (AWG 24–14)      | 0.2 – 2.5 mm <sup>2</sup> (AWG 24–14)      |
| Efficiency              | 84 %                                       | 86 %                                       |
| Approvals               | CE  UL 1310 Class 2<br>Haz.  Class I Div.2 | CE  UL 1310 Class 2<br>Haz.  Class I Div.2 |

**Power supply wipos**  
**PB1 24-4.2**



| Type                    | Part No.                                   |
|-------------------------|--|
| <b>wipos PB1 24-4.2</b> | 81.000.6340.0                              |
| <b>Technical Data</b>   |  |
| Input voltage           | 90 – 264 V AC, 120 – 375 V DC              |
| PFC                     | not necessary                              |
| Hold up time            | > 60 ms at 230 V                           |
| Output voltage          | 24 – 28 V                                  |
| Output current          | 4.2 A                                      |
| Temperature range       | -40 ... +70 °C                             |
| Derating                | > 60 °C                                    |
| LED display             | yes  |
| Dimensions W x H x D    | 90 x 91 x 57                               |
| Installation dimensions | for junction boxes and flat control panels |
| Mounting type           | DIN rail mounting and screw connection     |
| Weight                  | 380 g                                      |
| Type of connectors      | Screw terminal                             |
| Connector size          | 0.2 – 2.5 mm <sup>2</sup> (AWG 24–14)      |
| Efficiency              | 89 %                                       |
| Approvals               | CE  Haz.  Class I Div.2                    |

