



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


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


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


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

 **PFC-technology** for high functional reliability

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

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

 **Easy to commission** via LED diagnosis

 **Active monitoring** with signalling contact

P1/3

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

Additional features of **wipos** PS1/3

- Durable in harsh environments
- Compact design
- 120% power boost for 10 s
- Full output during 2-phase operation
- Lloyds Register Ship Approval (LR)



wipos P1 Modules

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



| Type | Part No. | Part No. |
|---------------------------|--|--|
| wipos P1 24-1.25 | 81.000.6110.0 | |
| wipos P1 24-2.5 | | 81.000.6120.0 |
| Technical Data | | |
| 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 ² (AWG 24–14) | 0.2 – 2.5 mm ² (AWG 24–14) |
| Efficiency | 83 – 86 % | 86 – 89 % |
| Approvals | CE UL 1310 Class 2 HAZ. Class I Div.2 | CE UL 1310 Class 2 HAZ. Class I Div.2 |

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



| Type | Part No. | Part No. |
|---------------------------|--|-------------------------------------|
| wipos P1 24-3.8 | 81.000.6135.0 | |
| wipos P1 24-5 | | 81.000.6130.0 |
| Technical Data | | |
| 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 – 28 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 ² (AWG 22–10) | 0.5 – 6 mm ² (AWG 22–10) |
| Efficiency | 83 – 85 % | 84 – 86 % |
| Approvals | CE UL 1310 Class 2 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. |
|---------------------------|-------------------------------------|-------------------------------------|
| wipos P1 24-10 | 81.000.6140.0 | |
| wipos P1 24-20 | | 81.000.6150.0 |
| Technical Data | | |
| 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 ² (AWG 22–10) | 0.5 – 6 mm ² (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. |
|---------------------------|---|
| wipos P1 12-5 | 81.000.6132.0 |
| Technical Data | |
| 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 ² (AWG 24 – 14) |
| Efficiency | 86 % |
| Approvals | CE, RoHS, HAZ, UL Class I Div.2 |

Power supply wipos P1 12-10



| Type | Part No. |
|---------------------------|---------------------------------------|
| wipos P1 12-10 | 81.000.6142.0 |
| Technical Data | |
| Input voltage | 115/230V 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 ² (AWG 22 – 10) |
| Efficiency | 84 % |
| Approvals | CE, RoHS, HAZ, UL Class I Div.2 |

Power supply wipos P1 48-5



| Type | Part No. |
|---------------------------|---|
| wipos P1 48-5 | 81.000.6134.0 |
| Technical Data | |
| 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 ² solid/fine str. (AWG 22 – 10) |
| Efficiency | 90 % |
| Approvals | CE, RoHS, HAZ, UL Class I Div.2 |



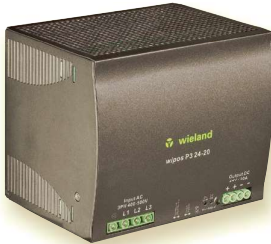
wipos P3 Modules

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



| Type | Part No. | Part No. |
|---------------------------|-------------------------------|-------------------------------|
| wipos P3 24-5 | 81.000.6160.0 | |
| wipos P3 24-10 | | 81.000.6170.0 |
| Technical Data | | |
| Input voltage | 340 – 575 VAC 480 – 820 VDC | 340 – 575 VAC 480 – 820 VDC |
| 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 | 5 A | 10 A |
| 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 ² (AWG 10) | to 6 mm ² (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. |
|---------------------------|-------------------------------|
| wipos P3 24-20 | 81.000.6180.0 |
| Technical Data | |
| Input voltage | 340 – 575 VAC 480 – 820 VDC |
| PFC | yes (0.7) |
| Hold up time | 20 ms |
| Output voltage | 22.5 – 28.5 V |
| Output current | 20 A |
| 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 ² (AWG 10) |
| Efficiency | 88 – 90 % |
| Approvals | CE HAZ. Class I Div.2 |

Power supply *wipos* P3 24-40



| Type | Part No. |
|---------------------------|---|
| wipos P3 24-40 | 81.000.6190.0 |
| Technical Data | |
| Input voltage | 340 – 575 VAC 480 – 820 VDC |
| 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 ² (AWG 10)/ output to 16 mm ² (AWG 6) |
| Efficiency | 90 – 92 % |
| Approvals | CE HAZ. Class I Div.2 |

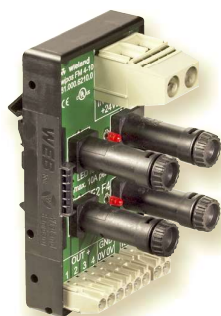
wipos Modules

Redundancy module *wipos* R20



| Type | Part No. |
|------------------------------------|---------------------------------------|
| wipos R20 | 81.000.6200.0 |
| Technical Data | |
| 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 ² (AWG 24–12) |
| Connector size for signal contacts | 0,2 – 1,5 mm ² (AWG 24–14) |
| Approvals | CE |

Fusing module *wipos* FM 4-10



| Type | Part No. |
|--------------------------------|--|
| wipos FM 4-10 | 81.000.6210.0 |
| Technical Data | |
| 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 ² (AWG 8) |
| Connector size output | up to 4 mm ² (AWG 12) solid, 2,5 mm ² (AWG 14) fine-stranded |
| Approvals | CE |

Uninterrupted power supply *wipos* UPS 24-30




| Type | Part No. |
|---|-----------------------------------|
| wipos UPS 24-30 | 81.000.6220.0 |
| Technical Data | |
| 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 ² (AWG 24–12) |
| Approvals | CE |







wipos PS1 Modules in compact design


Power supply wipos
PS1 24-1.25
PS1 24-2.5







| Type | Part No. | Part No. |
|--------------------------|---------------|---------------|
| wipos PS1 24-1.25 | 81.000.6510.0 | |
| wipos PS1 24-2.5 | | 81.000.6520.0 |

| Technical Data | | |
|---------------------------|---|--|
| Input voltage | 85 – 264 V AC, 90 – 350 V DC | |
| PFC | – | |
| Hold up time | > 154 ms bei 230 V | > 129 ms bei 230 V |
| Output voltage | 21.6 - 27.6 | 21.6 - 27.6 |
| Output current | 1.25 A (Power Boost 120 %) | 2.5 A (Power Boost 120 %) |
| Parallel operation | yes | yes |
| In series connectable | yes | yes |
| Temperature range | -40 ... +70 °C | -40 ... +70 °C |
| Derating | > 60 °C | > 60 °C |
| Dimensions (mm) W x H x D | 32 x 90 x 90 | 32 x 90 x 110 |
| Weight | 195 g | 260 g |
| Type of connectors | Screw terminal | Screw terminal |
| Connector size Input | 0.25 – 2.5 mm ² (AWG 24 – 14) | 0.35 – 2.5 mm ² (AWG 22 – 14) |
| Connector size Output | 0.35 – 2.5 mm ² (AWG 22 – 14) | 0.5 – 2.5 mm ² (AWG 22 – 14) |
| Efficiency | 86% | 88% |
| Approvals | CE  HAZ.LOC.    | |


Power supply wipos
PS1 24-5







| Type | Part No. | Part No. |
|-----------------------|---------------|----------|
| wipos PS1 24-5 | 81.000.6530.0 | |

| Technical Data | | |
|---------------------------|---|--|
| Input voltage | 85 – 264 V AC, 90 – 350 V DC | |
| PFC | yes | |
| Hold up time | > 42 ms at 230 V | |
| Output voltage | 21.6 - 27.6 | |
| Output current | 5 A (Power Boost 120 %) | |
| Parallel operation | yes | |
| In series connectable | yes | |
| Temperature range | -40 ... +70 °C | |
| Derating | > 60 °C | |
| Dimensions (mm) W x H x D | 40 x 125 x 122.2 | |
| Weight | 620 g | |
| Type of connectors | Screw terminal | |
| Connector size Input | 0.35 – 4 mm ² (AWG 22 – 12) | |
| Connector size Output | 0.35 – 4 mm ² (AWG 22 – 12) | |
| Efficiency | 89% | |
| Approvals | CE  HAZ.LOC.    | |

Power supply wipos
PS1 24-10
PS1 24-20



| Type | Part No. | Part No. |
|------------------------|---------------|---------------|
| wipos PS1 24-10 | 81.000.6540.0 | |
| wipos PS1 24-20 | | 81.000.6550.0 |

| Technical Data | | |
|---------------------------|---|---------------------------------------|
| Input voltage | 85 – 264 V AC, 90 – 350 V DC | |
| PFC | ja | ja |
| Hold up time | > 44 ms at 230 V | > 50 ms at 230 V |
| Output voltage | 21.6 - 27.6 | 21.6 - 27.6 |
| Output current | 10 A (Power Boost 120 %) | 20 A (Power Boost 120 %) |
| Parallel operation | yes | yes |
| In series connectable | yes | yes |
| Temperature range | -40 ... +70 °C | -40 ... +70 °C |
| Derating | > 60 °C | > 60 °C |
| Dimensions (mm) W x H x D | 60 x 125 x 150 | 95 x 125 x 150 |
| Weight | 900 g | 1500 g |
| Type of connectors | Screw terminal | Screw terminal |
| Connector size Input | 0.5 – 4 mm ² (AWG 22 – 12) | 1.5 – 4 mm ² (AWG 16 – 12) |
| Connector size Output | 2.5 – 4 mm ² (AWG 14 – 12) | 4 mm ² (AWG 12) |
| Efficiency | 92% | 93% |
| Approvals | CE   HAZ.LOC.   | |

Special voltages on demand
Connector size fine stranded

wipos PS3 Modules in compact design

Power supply wipos
PS3 24-5
PS3 24-10



| Type | Part No. | Part No. |
|---------------------------|--|--|
| wipos PS3 24-5 | 81.000.6560.0 | |
| wipos PS3 24-10 | | 81.000.6570.0 |
| Technical Data | | |
| Input voltage | 320 – 576 V AC, 450 – 810 V DC | |
| PFC | – | |
| Hold up time | > 30 ms at 400 V | > 20 ms at 400 V |
| Output voltage | 22.5 -29.5 | |
| Output current | 5 A (Power Boost 6A) | 10 A (Power Boost 12A) |
| Parallel operation | yes | yes |
| In series connectable | yes | yes |
| Temperature range | -40 ... +70 °C | |
| Derating | > 60 °C | |
| Dimensions (mm) W x H x D | 40 x 125 x 122.2 | 60 x 125 x 150 |
| Weight | 700 g | 1000 g |
| Type of connectors | Screw terminal | |
| Connector size Input | 0.35 – 4 mm ² (AWG 22 – 12) | 0.35 – 4 mm ² (AWG 22 – 12) |
| Connector size Output | 0.75 – 4 mm ² (AWG 18 – 12) | 2.5 – 4 mm ² (AWG 14 – 12) |
| Efficiency | 89% | |
| Approvals | CE HAZ.LOC. | CE HAZ.LOC. |

Power supply wipos
PS3 24-20



| Type | Part No. |
|---------------------------|---------------------------------------|
| wipos PS3 24-20 | 81.000.6580.0 |
| Technical Data | |
| Input voltage | 320 – 576 V AC, 450 – 810 V DC |
| PFC | – |
| Hold up time | > 20 ms at 400 V |
| Output voltage | 22.5 -29.5 |
| Output current | 20 A (Power Boost 24A) |
| Parallel operation | yes |
| In series connectable | yes |
| Temperature range | -40 ... +70 °C |
| Derating | > 60 °C |
| Dimensions (mm) W x H x D | 95 x 125 x 150 |
| Weight | 1600 g |
| Type of connectors | Screw terminal |
| Connector size Input | 0.5 – 4 mm ² (AWG 20 – 12) |
| Connector size Output | 4 mm ² (AWG 12) |
| Efficiency | 91% |
| Approvals | CE HAZ.LOC. |

Power supply wipos
PS3 24-40



| Type | Part No. |
|---------------------------|---------------------------------------|
| wipos PS3 24-40 | 81.000.6590.0 |
| Technical Data | |
| Input voltage | 320 – 576 V AC |
| PFC | – |
| Hold up time | > 20 ms at 400 V |
| Output voltage | 22.5 - 29.5 |
| Output current | 40 A (Power Boost 48A) |
| Parallel operation | yes |
| In series connectable | yes |
| Temperature range | -40 ... +70 °C |
| Derating | > 60 °C |
| Dimensions (mm) W x H x D | 135 x 125 x 180 |
| Weight | 2700 g |
| Type of connectors | Screw terminal |
| Connector size Input | 1.5 – 16 mm ² (AWG 16 – 6) |
| Connector size Output | 10 - 16 mm ² (AWG 8 - 6) |
| Efficiency | 91% |
| Approvals | CE HAZ.LOC. |



wipos PB1 Modules

Power supply *wipos* PB1 5-1.5 PB1 5-3



| Type | Part No. | Part No. |
|-------------------------|--|--|
| wipos PB1 5-1.5 | 81.000.6321.0 | |
| wipos PB1 5-3 | | 81.000.6331.0 |
| Technical Data | | |
| 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 ² (AWG 24–14) | 0.2 – 2.5 mm ² (AWG 24–14) |
| Efficiency | 74 % | 82 % |
| Approvals | CE UL 1310 Class 2 Haz. Class I Div.2 | CE UL 1310 Class 2 |

Power supply *wipos* PB1 12-0.83 PB1 24-0.42



| Type | Part No. | Part No. |
|--------------------------|--|--|
| wipos PB1 12-0.83 | 81.000.6302.0 | |
| wipos PB1 24-0.42 | | 81.000.6300.0 |
| Technical Data | | |
| 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 ² (AWG 24–14) | 0.2 – 2.5 mm ² (AWG 24–14) |
| Efficiency | 78 % | 80 % |
| Approvals | CE Haz. Class I Div.2 | CE UL 1310 Class 2 Haz. Class I Div.2 |

Power supply *wipos* PB1 12-2 PB1 24-1



| Type | Part No. | Part No. |
|-------------------------|--|--|
| wipos PB1 12-2 | 81.000.6322.0 | |
| wipos PB1 24-1 | | 81.000.6310.0 |
| Technical Data | | |
| 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 ² (AWG 24–14) | 0.2 – 2.5 mm ² (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. |
|---------------------------|--|--|
| wipos PB1 12-2.75 | 81.000.6332.0 | |
| wipos PB1 24-1.5 | | 81.000.6320.0 |
| Technical Data | | |
| 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 | 2.75 A | 1.5 A |
| Temperature range | -40 ... +70 °C | -25 ... +70 °C |
| Derating | > 56 °C | > 56 °C |
| LED display | yes | yes |
| Dimensions (mm) W x H x D | 53 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 ² (AWG 24–14) | 0.2 – 2.5 mm ² (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. |
|---------------------------|--|--|
| wipos PB1 12-4.5 | 81.000.6342.0 | |
| wipos PB1 24-2.5 | | 81.000.6330.0 |
| Technical Data | | |
| 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 (mm) 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 ² (AWG 24–14) | 0.2 – 2.5 mm ² (AWG 24–14) |
| Efficiency | 84 % | 86 % |
| Approvals | CE UL 1310 Class 2 Haz. Class I Div.2 | CE UL 1310 Class 2 Haz. Class I Div.2 |

Power supply wipos
PB1 24-4.2


| Type | Part No. |
|---------------------------|--|
| wipos PB1 24-4.2 | 81.000.6340.0 |
| Technical Data | |
| 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 (mm) 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 ² (AWG 24–14) |
| Efficiency | 89 % |
| Approvals | CE Haz. Class I Div.2 |