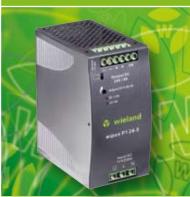


wieland



wipos Power supply units

Pure power



wipos Power supply units Pure Power. No-Frills.

Power supplies take 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%) 100% power up to 60°C



Automatic or wide-input voltage range for worldwide use



PFC technology for high functional reliability

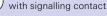


Outdoor installation possible

due to wide temperature range



Active monitoring





Can be connected in parallel (from 5A) 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





wipos Modules

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



Туре	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	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	-25 – +71°C	-25 - +71°C
Derating	>60°C	>60°C
Signaling contact	yes	yes
Dimensions WxHxD	43.5×88.5×114	43.5×88.5×114
Weight	290 g	360g
Type of connectors	screw terminal	screw terminal
Connector size	0.2 – 2.5 mm ²	0.2 - 2.5 mm ²
Efficiency	83 – 86%	86 – 89%
Approvals	CE, cULus, UL 1310 Class 2	CE, cULus, UL 1310 Class 2

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



Туре	Part No.	Part No.
wipos P1 24-3.8	81.000.6135.0	
wipos P1 24-5	0.1000.0100.0	81.000.6130.0
Technical data		
	11E /220 V AC auta 210 27E V DC	11E /220 V AC cute 210 27E V DC
Input voltage	115/230 V AC auto, 210 – 375 V DC	115/230 V AC auto, 210 – 375 V 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	5A
Parallel operation	no	yes (up to 3)
In series connectable	yes	yes
Temperature range	-25 - +71°C	-25 - +71°C
Derating	>60°C	>60°C
Signaling contact	yes	yes
Dimensions WxHxD	63.2 x 123.6 x 123.6	63.2 x 123.6 x 123.6
Weight	920g	920g
Type of connectors	screw terminal	screw terminal
Connector size	0.5 – 6 mm ²	0.5 – 6 mm ²
Efficiency	83 – 85 %	84 – 86%
Approvals	CE, cULus, UL 1310 Class 2	CE, cULus

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



Туре	Part No.	Part No.
	01 000 0140 0	
wipos P1 24-10	81.000.6140.0	01 000 0150 0
wipos P1 24-20		81.000.6150.0
Technical data		
Input voltage	115/230 V AC auto, 210-375 V DC	115/230 V AC auto, 120-370 V 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	20 A
Parallel operation	yes (up to 3)	yes (up to 3)
In series connectable	yes	yes
Temperature range	-25 – +71°C	-25 - +71°C
Derating	>60°C	>55°C
Signaling contact	yes	yes
Dimensions WxHxD	83×123.6×123.6	175×123.6×123.6
Weight	1300g	1920 g
Type of connectors	screw terminal	screw terminal
Connector size	0.5 – 6 mm ²	$0.5 - 6 \text{mm}^2$
Efficiency	87 – 89 %	86 – 89%
Approvals	CE, cULus	CE, cULus

Please ask also for our 3-phase modules.



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Industrial technology

Solutions for the control cabinet

- DIN rail terminal blocks
 - Screw, spring clamp or IDC connection technology
 - Wire cross sections up to 240 mm²
 - Numerous special functions
 - Software solutions interfacing to CAE systems
- Safety
 - Safety sensors
 - Safety relays
 - Modular safety systems with fieldbus link
- PLC and fieldbus components
 - Standard applications in IP20
 - Increased environmental conditions with railroad and ship approvals
- Interface
 - Coupling relays, semiconductor switches
 - Measuring and monitoring relays
 - Timer and switching relays
 - Analog modules
 - Passive interfaces
 - Power supply units
 - Overvoltage protection

Solutions for field applications

- Remote automation technology
 - Power distribution
- Fieldbus interfaces and motor starters
- Connectors for industrial applications
 - Square and round connectors
 - Aluminum or plastic housings
- Degree of protection up to IP68
- Current-carrying capacity up to 100A
- Connectors for hazardous areas
- Modular, application specific technology

PC board terminals and connectors

- Screw or spring clamp connection technology
- Spacings: 3.5 mm to 10.16 mm
- Reflow or wave soldering process

Building and installation technology

- Building installation systems
 - Main power supply connectors IP20/IP65...IP68
 - Bus connectors
 - Combined connectors
 - Low-voltage connectors
 - Power distribution system with flat cables
 - Distribution systems
 - Bus systems in KNX, LON and radio technology
 - DIN rail terminal blocks for electrical installations
 - Overvoltage protection

contacts are green. **Product Range**

0151.5 E 03/09