

PIP Power + the complete range for every application.

PIP Power + MCS-B
The economical solution.

PIP Power + MCS
The universal solution.



PIP Power + MCS-B



Single phase

- Simple and economical
- Auto-ranging input for worldwide usage
- Full output up to an ambient temperature of 40°C
- Space saving due to slim book format
- Simple mounting system
- Guaranteed clearance between units for optimal air circulation
- Clear function displays
- Series wiring possible

PIP Power + MCS



PIP *Power* + MPS

The multi-functional solution.



Single and three phase

- The allrounder for all applications, worldwide
- Meets all standard requirements
- Single and three phase units
- Full output up to an ambient temperature of 60°C
- Space saving due to slim book format
- Range of units with PFC Filter available
- Individually selectable shut-down function
- Parallel and series wiring possible

PIP *Power* + MPS



Single and three phase

- Single and three phase units
- Full output up to an ambient temperature of 60°C
- Less depth due to flat design
- Reliable power supply due to integrated UPS-Function from 10 Amp
- Fast diagnostics via 3 LEDs from 10 Amp
- Remote monitoring due to integrated alarm contact from 10 Amp
- Test stop / Restart during operation from 10 Amp
- Parallel and series wiring possible








**Primary Switch Mode
Power Supplies**

**PIP Power + MCS-B
The economical solution**

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The universal solution**

**PIP Power + MPS
The multi-functional solution**



Technical Data					
Input Voltage	Single phase: 95...265 V AC		Single phase: 90...265 V AC, Three phase: 3 x 360...550 V AC		
Output Voltage	24 V DC, 30,5 V DC, 4...6 V DC, 12...15 V DC SELV		24...28 V DC, 4...6 V DC, 10...15 V DC SELV		
Tolerance	+3/- 1%		+/- 1%		
Ripple	< 50 mV eff		< 20 mV eff		
Series Wiring possible?	Yes		Yes		
Parallel Wiring possible?	No		Yes		
Temperature Range	0...55°C, Derating from 40°C		0...60°C		
Efficiency (approx.)	0,81 - 0,87		0,82 - 0,91		
Emitted interference (EN 55011 A /55022 B)	Class B, Class A from 5 Amp		Class B		
Attachment Method	Snaps onto the DIN rail		Snaps onto the DIN rail or keyhole attachment for 20 and 40 Amp units		
Approvals	UL, cUL  		UL, cUL, partly CSA   		
Approvals					
UL, cUL  					
Ordering Data		Art.-No	Art.-No	Art.-No	Art.-No
		****With PFC	Without PFC	****With PFC	Without PFC
Single phase					
5 V / 3 A		*85371			
5 V / 6 A				**85041	
12 V / 1 A		*85372			
12 V / 2,5 A		*85373			
12 V / 5,A				**85040	
24 V / 0,6 A		85160			
24 V / 1,3 A		85161			
24 V / 2,5 A		85162		**85064	
24 V / 3 A				**85060	85051
24 V / 5 A			85163	85061	85053
24 V / 5 A				(Ue 340...470 V AC) *857725	
24 V / 7,5 A			85164		
24 V / 10 A			85165	85062	(95...132 V AC) 85054
24 V / 10 A				(Ue 340...470 V AC) *857726	(185...265 V AC) 85055
24 V / 20 A				85063	(95...132 V AC) 85056
24 V / 20 A					(185...265 V AC) 85057
30,5 V / 4 A Power Supplies for AS-Interface		85381			
30,5 V / 4 A Power Supplies for AS-Interface (with EFD)		85382			
Three phase				****With PFC	****With PFC
24 V DC / 5 A			CSA	857814	
24 V DC / 10 A			CSA	85071	85066
24 V DC / 20 A			CSA	85072	***85068
24 V DC / 40 A			CSA	85099	***85069

*UL/cUL approval in progress

**No individually selectable shut-down function

***UL approval up to ambient temperature of 50°C

****Units meet EN 61000-3-2

The information in this brochure is deemed to be accurate and up to date. Murrelektronik accepts no liability for any changes made to the products of information contained within this brochure. April 2005 Edition.



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