

Primary switch mode – three-phase

Stabilized output voltage

Short-circuit and overload protected

Wide voltage input

Touch protected to EN 60529 (IP20)

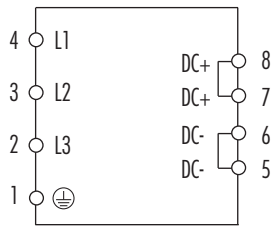
PIP-*Power*+

MCS

Input voltage 3 x 340...460 V AC



Circuit diagram



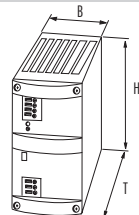
Ordering data		Art.-No.	Art.-No.
	Output rating		
24 V DC/10 A	240 W	85095	
24 V DC/20 A	480 W		85097

Input	
Input voltage	3 x 340...460 V AC
Input current	3 x 0.7 A
Inrush current	< 25 A
Input fuse	3 x 4 A
Frequency	50/60 Hz

Output	
Output voltage	24 V DC SELV, ± 1 %; 24...28 V adjustable
Nominal output current	10 A
Efficiency	0.9
Mains failure bridging	> 10 ms (400 V AC)
Ripple	< 20 mV eff
Spikes	< 100 ms
Protection	short-circuit and overload protected
LED-indicator	green LED for output voltage
Switch off mode choosable	front sided bridging link (self activating re-start or definite shutoff)
Parallel usage/Serial usage	yes/yes

General data	
Guidelines	EN 60950-1, EN 61204-3, EN 55011 A
Temperature range	0...+60 °C
Relative humidity	30...90 %, no condensation
Mounting method	DIN-rail mounting to EN 60715 (TH35)
Weight	1.2 kg
Dimensions	H x B x T
	127 x 68 x 160 mm
	2.1 kg
	170 x 84 x 201 mm

Dimension drawing



Notes	
	Mounting adapter for side mounting see page 4.9.2

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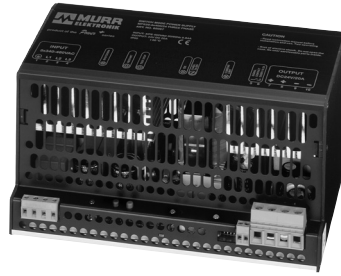
Approvals:

MPS 10

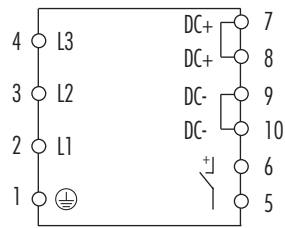
Input voltage 3 x 340...460 V AC

MPS 20

Input voltage 3 x 340...460 V AC



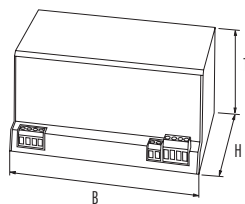
Circuit diagram



Ordering data	Art.-No.	Art.-No.
Output rating		
24 V DC/10 A	85065	
24 V DC/20 A		85067

Input		
Input voltage	3 x 340...460 V AC	
Input current	3 x 0.42 A	3 x 0.84 A
Inrush current	no	
Frequency	50/60 Hz	
Input fuse	max. 10 A	
Output		
Output voltage	24 V DC SELV, $\pm 1\%$; 22...28 V adjustable	
Nominal output current	10 A (60 °C); 12 A (40 °C)	20 A (60 °C); 24 A (40 °C)
Efficiency	0.9	
Mains failure bridging	> 3 ms (400 V AC)	
Ripple, Spikes	< 20 mV eff; < 100 mV ss	
Protection	short-circuit and overload, switch off at phase failure, pre-warning and switching off when overloaded, signaling over alarm output	
Phase monitoring	switch off when phase is lost	
LED-indicator	green LED in operation, red LED shut down, yellow LED, pre-warning of overload or high temperature	
Parallel usage/Serial usage	yes/yes	
Alarm output ¹⁾	relay contact max. 60 V DC/ 0.2 A; collective alarm for all faults and pre-warnings, quit via green reset button	
Test stop button	for test purposes, secondary voltage can be switched off short term via test stop button	
General data		
Guidelines	EN 60950-1, EN 61204-3, EN 55022 B	
Temperature range	0...+60 °C	
Relative humidity	30...90 %, no condensation	
Mounting method	DIN-rail mounting to EN 60715 (TH35), additional plate for screw mounting Art.-No. 89500	
Weight	1.7 kg	2.4 kg
Dimensions H x B x T	132 x 198 x 97 mm	132 x 243 x 123 mm

Dimension drawing



Notes
MPS primary switch mode meets EN 61000-3-2 guideline. ¹⁾ If units used in parallel decoupling of units via diode block. UPS components see page 4.9.3

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