

POWER SUPPLY UNITS

Single-phase

– Short-circuit and overload protected

– Alarm contact

Approvals:  

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OUTPUT: 24...28 V DC
Current: 5 A



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OUTPUT: 24...28 V DC
Current: 10 A



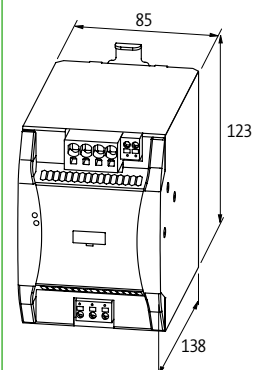
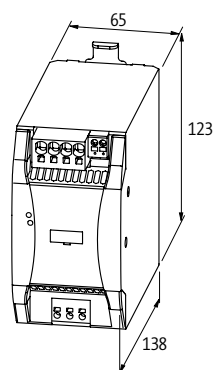
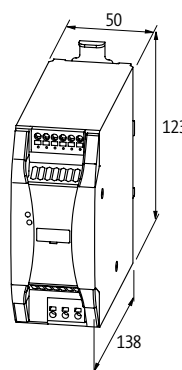
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OUTPUT: 24...28 V DC
Current: 20 A



Order Data	Art-No.		Art-No.
24 V DC/5 A (for DIN-Rail)	85440		
24 V DC/5 A (for screwing)	85702		
24 V DC/10 A (for DIN-Rail)			85441
24 V DC/10 A (for screwing)			85703
24 V DC/20 A (for DIN-Rail)			85442
24 V DC/20 A (for screwing)			85704
Input			
Input voltage	85...265 V AC/90...250 V DC		90...265 V AC/90...250 V DC
Input current	1.3 A (100 V AC); 0.61 A (240 V AC)	2.6 A (100 V AC); 1.1 A (240 V AC)	5.2 A (100 V AC); 2.2 A (240 V AC)
Inrush current after 1 ms	max. 5.5 A (230 V AC)	max. 13 A	max. 23 A (230 V AC)
Power factor	0.87 (230 V AC)	0.95 (230 V AC)	0.96 (230 V AC)
Frequency	50...60 Hz		
Input fuse (internal)	6.3 A (T)		10 A (T)
Output			
Output voltage	24 V DC (SELV), ±1%; 24...28 V adjustable		
Power Boost	I _{out} N × 150% (min. 4 s)		
Output current	5 A	10 A	20 A
Mains failure bridging time	min. 30 ms (100 V AC); 5 A (24 V DC)	min. 30 ms (100 V AC); 10 A (24 V DC)	min. 30 ms (100 V AC); 20 A (24 V DC)
Ripple	max. 50 mVrms		
Spikes	max. 200 mV p-p		
Unit protection	Short-circuit and overload protected		
LED display	LED (green): OK; LED (red): overload, overheating or short-circuit		
Parallel usage/serial usage	max. 5 units/max. 2 units		
General data			
Standards	EN 60950-1, EN 61204-3, EN 55011 B, EN 61000-3-2, SEMI F47		
Relative humidity	5...95%, no condensation		
Protection	IP20		
Efficiency	92.7% (110 V AC); 94.5% (230 V AC)	92.8% (110 V AC); 94.3% (230 V AC)	91.7% (110 V AC); 94.1% (230 V AC)
Connection	Push-In spring clamp terminals		
Temperature range	-40...+60 °C, ...+70 °C derating (storage temperature -40...+80 °C)		
Dimension drawing			

Dimension drawing



Notes

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OUTPUT: 48...56 V DC
Current: 2.5 A



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OUTPUT: 48...56 V DC
Current: 5 A

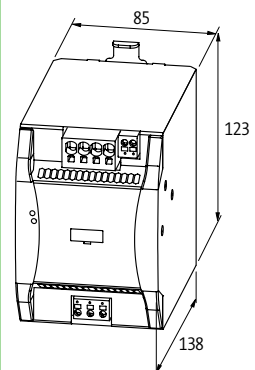
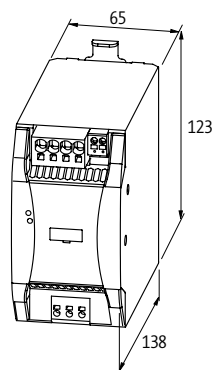
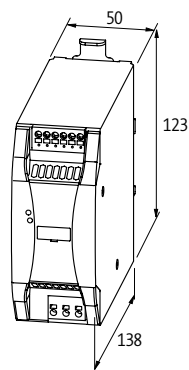


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OUTPUT: 48...56 V DC
Current: 10 A



Order Data	Art-No.		Art-No.
48 V DC/2.5 A (for DIN-Rail)	85437		
48 V DC/2.5 A (for screwing)	85722		
48 V DC/5 A (for DIN-Rail)			85438
48 V DC/5 A (for screwing)			85723
48 V DC/10 A (for DIN-Rail)			85439
48 V DC/10 A (for screwing)			85724
Input			
Input voltage	85...265 V AC/90...250 V DC		
Input current	1.2 A (100 V AC); 0.6 A (240 V AC)	2.6 A (100 V AC); 1.1 A (240 V AC)	5.1 A (100 V AC); 2.4 A (240 V AC)
Inrush current after 1 ms	max. 3.5 A (230 V AC)	max. 5.5 A (230 V AC)	max. 11 A (230 V AC)
Power factor	0.87 (230 V AC)	0.95 (230 V AC)	0.94 (230 V AC)
Frequency	50...60 Hz		
Input fuse (internal)	6.3 A (T)		10 A (T)
Output			
Output voltage	48 V DC (SELV), ±1%; 48...56 V adjustable		
Power Boost	I _{out} N × 150% (min. 4 s)		
Output current	2.5 A	5 A	10 A
Mains failure bridging time	min. 30 ms (100 V AC); 2.5 A (48 V DC)	min. 30 ms (100 V AC); 5 A (48 V DC)	min. 30 ms (100 V AC); 10 A (48 V DC)
Ripple	max. 50 mVrms		
Spikes	max. 200 mV p-p		
Unit protection	Short-circuit and overload protected		
LED display	LED (green): OK; LED (red): overload, overheating or short-circuit		
Parallel usage/serial usage	max. 5 units/max. 2 units		
General data			
Standards	EN 60950-1, EN 61204-3, EN 55011 B, EN 61000-3-2, SEMI F47		
Relative humidity	5...95%, no condensation		
Protection	IP20		
Efficiency	92.8% (110 V AC); 94.6% (230 V AC)	93.7% (110 V AC); 95.1% (230 V AC)	95%
Connection	Push-In spring clamp terminals		
Temperature range	-40...+60 °C, ...+70 °C derating (storage temperature -40...+80 °C)		
Dimension drawing			



Notes

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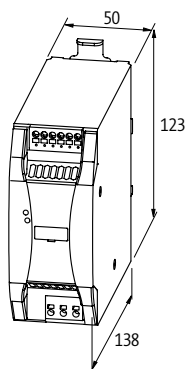
Approvals:   

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OUTPUT: 12...15 V DC
Current: 10 A



Order Data	Art-No.
12 V DC/10 A (for DIN-Rail)	85434
12 V DC/10 A (for screwing)	85712
Input	
Input voltage	85...265 V AC/90...250 V DC
Input current	1.2 A (100 V AC); 0.6 A (230 V AC)
Inrush current after 1 ms	max. 10 A (230 V AC)
Power factor	0.88 (230 V AC)
Frequency	50...60 Hz
Input fuse (internal)	6.3 A (T)
Output	
Output voltage	12 V DC (SELV), ±1%; 12...15 V adjustable
Power Boost	lout N × 150% (min. 4 s)
Output current	10 A
Mains failure bridging time	min. 30 ms (100 V AC); 10 A (12 V DC)
Ripple	max. 50 mVrms
Spikes	max. 200 mV p-p
Unit protection	Short-circuit and overload protected
LED display	LED (green): OK; LED (red): overload, overheating or short-circuit
Parallel usage/serial usage	max. 5 units/max. 2 units
General data	
Standards	EN 60950-1, EN 61204-3, EN 55011 B, EN 61000-3-2, SEMI F47
Relative humidity	5...95%, no condensation
Protection	IP20
Efficiency	91.4% (110 V AC); 93.2% (230 V AC)
Connection	Push-In spring clamp terminals
Temperature range	-40...+60 °C, ...+70 °C derating (storage temperature -40...+80 °C)
Dimension drawing	



Notes