

POWER SUPPLY UNITS

Single-phase

– Short-circuit and overload protected

Approvals:  UL US Listed

Eco-Rail-2

OUTPUT: 23...28 V DC
Current: 1.3 A



Eco-Rail-2

OUTPUT: 23...28 V DC
Current: 2.5 A

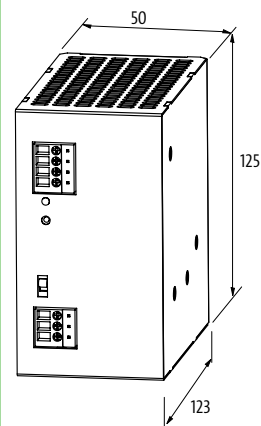
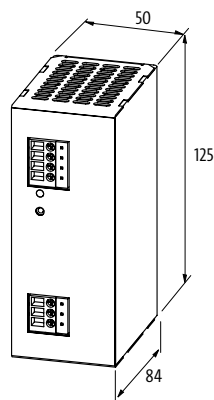
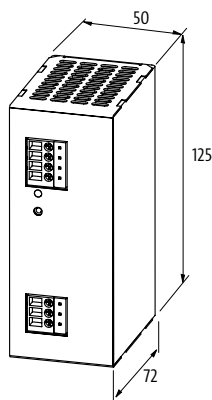


Eco-Rail-2

OUTPUT: 23...28 V DC
Current: 5 A



Order Data	Art-No.	Art-No.	Art-No.
24 V DC/1.3 A	85131		
24 V DC/2.5 A		85132	
24 V DC/5 A			85133
Input			
Input voltage	100...240 V AC		
Input current	0.7 A (100 V AC); 0.4 A (240 V AC)	1.3 A (100 V AC); 0.6 A (240 V AC)	2.4 A (100 V AC); 1.2 A (240 V AC)
Inrush current after 1 ms	max. 10 A (230 V AC)		
Frequency	50...60 Hz		
Input fuse (internal)	2 A (T)	4 A (T)	5 A (T)
Output			
Output voltage	24 V DC $\pm 1\%$; 23...28 V adjustable		
Output current	1.3 A (+40 °C); 1.0 A (+55 °C)	2.5 A (+40 °C); 2.0 A (+55 °C)	5 A (+40 °C); 4 A (+55 °C)
Mains failure bridging time	min. 23 ms (115 V AC); min. 130 ms (230 V AC)	min. 20 ms (115 V AC); min. 100 ms (230 V AC)	min. 45 ms (115 V AC); min. 45 ms (230 V AC)
Ripple	max. 10 mVrms		
Spikes	max. 50 mV p-p		
Unit protection	Short-circuit and overload protected		
LED display	LED (green) for output voltage		
Parallel usage/serial usage	no/yes (max. 2 units)		
General data			
Standards	EN 60950-1, EN 61204-3, EN 61000-3-2		
Relative humidity	20...90%, no condensation		
Protection	IP20		
Efficiency	83% (115 V AC); 84% (230 V AC)	84% (115 V AC); 85% (230 V AC)	87% (115 V AC); 88% (230 V AC)
Connection	Screw terminals		
Mounting method	DIN-rail mountable TH35 (EN 60715)		
Temperature range	0...+40 °C, ...+55 °C derating (storage temperature -20...+85 °C)		
Dimension drawing			



Notes

POWER SUPPLY UNITS

Single-phase

– Short-circuit and overload protected

Approvals:  **UL** US Listed

Eco-Rail-2

OUTPUT: 23...28 V DC
Current: 10 A

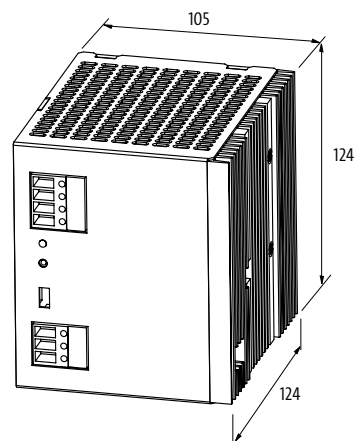
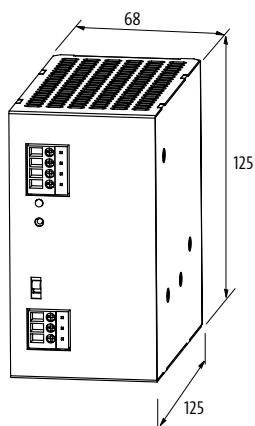


Eco-Rail-2

OUTPUT: 23...28 V DC
Current: 20 A



Order Data	Art-No.	Art-No.
24 V DC/10 A	85135	
24 V DC/20 A		85137
Input		
Input voltage	90...132 V AC/173...264 V AC	
Input current	4.3 A (100 V AC); 2.1 A (240 V AC)	7.8 A (100 V AC); 4.0 A (200 V AC)
Inrush current after 1 ms	max. 18 A (230 V AC)	max. 40 A (230 V AC)
Frequency	50...60 Hz	
Input fuse (internal)	5 A (T)	12 A (T)
Output		
Output voltage	24 V DC ±1%; 23...28 V adjustable	
Output current	10 A (+40 °C); 7.5 A (+55 °C)	20 A (+40 °C); 16 A (+55 °C)
Mains failure bridging time	min. 12 ms (115 V AC); min. 30 ms (230 V AC)	min. 15 ms (115 V AC); min. 20 ms (230 V AC)
Ripple	max. 10 mVrms	max. 50 mVrms
Spikes	max. 50 mV p-p	max. 100 mV p-p
Unit protection	Short-circuit and overload protected	
LED display	LED (green) for output voltage	
Parallel usage/serial usage	no/yes (max. 2 units)	
General data		
Standards	EN 60950-1, EN 61204-3, EN 61000-3-2	
Relative humidity	20...90%, no condensation	
Protection	IP20	
Efficiency	86% (115 V AC); 87% (230 V AC)	89% (115 V AC); 90% (230 V AC)
Connection	Screw terminals	
Mounting method	DIN-rail mountable TH35 (EN 60715)	
Temperature range	0...+40 °C, ...+55 °C derating (storage temperature -20...+85 °C)	
Dimension drawing		



Notes