

ECO-RAIL-2

FOCUS ON THE ESSENTIALS

Eco-Rail-2 power supply units offer manufacturers of machinery and control cabinets the possibility to supply power to their consumers flexibly and economically. These units provide basic functionality and help to monitor the overall costs in the control cabinet.

- Cost efficiency through an excellent price-performance ratio
- Worldwide use, UL certified
- Flexibility due to the range of versions and adjustable output voltage
- Excellent mains failure bridging time up to 130 milliseconds
- Practical handling during installation and commissioning



AVAILABLE IN DIFFERENT VARIANTS

The Eco-Rail-2 series is available in five units with current ratings from 1.3 to 20 A.

The output voltage of the devices can be set from 23 to 28 V to supply the required power to the consumer regardless of the length of the power supply line.

Connecting two power supply units in series allows the output voltage to be increased to 48 V.

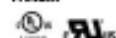


Convenient online ordering:
shop.murrelektronik.co.uk

1-phase

– Short-circuit and overload protected

Provis:



Eco-Rail-2

Output: 23.28VDC / 1.3A



Eco-Rail-2

Output: 23.28VDC / 25A

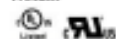


Ordering data	Art. No.	Art. No.
24VDC	85231	85132
Input		
Input voltage	200-240VAC	
Input current	0.7A (200VAC), 0.4A (240VAC)	1.3A (200VAC), 0.6A (240VAC)
Inrush current after 1ms	max. 30A (230VAC)	max. 30A (230VAC)
Primary fusing (external)	max. 20A	
Output		
Output voltage	24VDC (±0.5%) ± 1%, 23.28VDC adjustable	
Output current	1.3A (-40°C), 1.0A (-55°C)	25A (-40°C), 20A (-55°C)
Efficiency	85% (115VAC), 80% (230VAC)	88% (115VAC), 85% (230VAC)
Protection	short-circuit and overload protected (Backup Mode)	
Parallel usage/serial usage	no/yes (max. 2 units)	
General Data		
Standards	IEC 60950-1, IEC 61208-3, IEC 60000-3-2	
Temperature range	0...+40°C, to 55°C derating (storage temperature: 20...+40°C)	
Mounting method	DIN rail mounting 35mm (35mm DIN)	
Dimensions H × W × D	125 × 50 × 72mm	125 × 50 × 84mm
Connection	screw terminals	

1-phase

– Short-circuit and overload protected

Provis:



Eco-Rail-2

Output: 23.28VDC / 5A



Eco-Rail-2

Output: 23.28VDC / 30A



Eco-Rail-2

Output: 23.28VDC / 20A



Ordering data	Art. No.	Art. No.	Art. No.
24VDC	85235	85135	85137
Input			
Input voltage	90-132VAC, 175-240VAC		
Input current	2.6A (100VAC), 1.4A (240VAC)	4.3A (100VAC), 2.5A (240VAC)	7.0A (100VAC), 4.6A (240VAC)
Inrush current after 1ms	max. 35A (230VAC)	max. 30A (230VAC)	max. 40A (230VAC)
Primary fusing (external)	max. 20A		
Output			
Output voltage	24VDC (±0.5%) ± 1%, 23.28VDC adjustable		
Output current	5A (-40°C), 4A (-55°C)	30A (-40°C), 25A (-55°C)	20A (-40°C), 16A (-55°C)
Efficiency	87% (115VAC), 80% (230VAC)	88% (115VAC), 87% (230VAC)	88% (115VAC), 86% (230VAC)
Protection	short-circuit and overload protected (current limiter)	short-circuit and overload protected (Backup Mode)	short-circuit and overload protected (current limiter)
Parallel usage/serial usage	no/yes (max. 2 units)		
General Data			
Standards	IEC 60950-1, IEC 61208-3, IEC 60000-3-2	IEC 60950-1, IEC 61208-3	
Temperature range	0...+40°C, to 55°C derating (storage temperature: 20...+40°C)		
Mounting method	DIN rail mounting 35mm (35mm DIN)		
Dimensions H × W × D	125 × 50 × 125mm	125 × 68 × 125mm	124 × 85 × 124mm
Connection	screw terminals		