COMPACT

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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.



1-phase

– Short-circuit and overload protected

Provals:

	Eco-Rail-2 Output: 23...28 V DC / 1.3 A	**Eco-Rail-2** Output: 23...28 V DC / 2.5 A
		
Ordering data	**Art.-No.**	**Art.-No.**
24 V DC	**85131**	**85132**
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)
Inrush current after 1 ms	max. 10 A (230 V AC)	max. 20 A (230 V AC)
Primary fusing (external)	max. 20 A	
Output		
Output voltage	24 V DC (SELV) ± 1 % ; 23...28 V DC adjustable	
Output current	1.3 A (+40 °C); 1.0 A (+55 °C)	2.5 A (+40 °C); 2.0 A (+55 °C)
Efficiency	84 % (115 V AC); 84 % (230 V AC)	84 % (115 V AC); 85 % (230 V AC)
Protection	short-circuit and overload protected (Hiccup-Mode)	
Parallel usage/serial usage	no/yes (max. 2 units)	
General Data		
Standards	EN 60950-1, EN 61204-3, EN 61000-3-2	
Temperature range	0...+40 °C to 55 °C with derating (storage temperature -20...+85 °C)	
Mounting method	DIN-rail mounting TH35 (EN 60715)	
Dimensions H × W × D	125 × 50 × 72 mm	125 × 50 × 84 mm
Connection	screw terminals	

1-phase

– Short-circuit and overload protected

Provals:

	Eco-Rail-2 Output: 23...28 V DC/ 5 A	**Eco-Rail-2** Output: 23...28 V DC / 10 A	**Eco-Rail-2** Output: 23...28 V DC / 20 A
			
Ordering data	**Art.-No.**	**Art.-No.**	**Art.-No.**
24 V DC	**85133**	**85135**	**85137**
Input			
Input voltage	90...132 V AC, 173...264 V AC		
Input current	2.4 A (100 V AC); 1.4 A (200 V AC)	4.3 A (100 V AC); 2.5 A (200 V AC)	7.8 A (100 V AC); 4.6 A (200 V AC)
Inrush current after 1 ms	max. 20 A (230 V AC)	max. 30 A (230 V AC)	max. 10 A (230 V AC)
Primary fusing (external)	max. 20 A		
Output			
Output voltage	24 V DC (SELV) ± 1 %; 23...28 V DC adjustable		
Output current	5 A (+40 °C); 4 A (+55 °C)	10 A (+40 °C); 7.5 A (+55 °C)	20 A (+40 °C); 16 A (+55 °C)
Efficiency	87 % (115 V AC); 88 % (230 V AC)	86 % (115 V AC); 88 % (230 V AC)	89 % (115 V AC); 90 % (230 V AC)
Protection	short-circuit and overload protected (Current-Limiter)	short-circuit and overload protected (Hiccup-Mode)	short-circuit and overload protected (Current-Limiter)
Parallel usage/serial usage	no/yes (max. 2 units)		
General Data			
Standards	EN 60950-1, EN 61204-3, EN 61000-3-2	EN 60950-1, EN 61204-3	
Temperature range	0...+40 °C to 55 °C with derating (storage temperature -20...+85 °C)		
Mounting method	DIN-rail mounting TH35 (EN 60715)		
Dimensions H × W × D	125 × 50 × 123 mm	125 × 68 × 125 mm	124 × 105 × 124 mm
Connection	screw terminals		

Product group from well-managed forests, controlled sources and recycled wood or fiber
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