

POWER SUPPLY UNITS

Single-phase

– IP67

Emparro®67

OUTPUT: 24 V DC
Current: 4 A

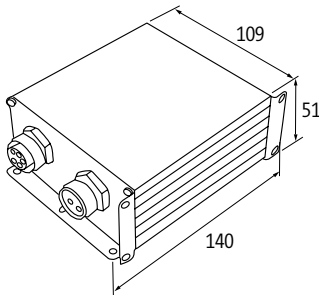
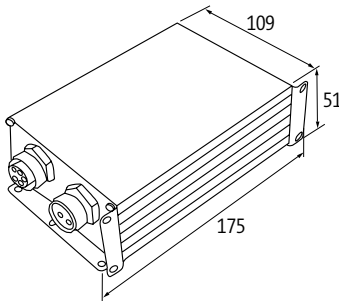


Emparro®67

OUTPUT: 24 V DC
Current: 8 A



Approvals:  US
Listed

Order Data		Art-No.	Art-No.
24 V DC/4 A		9000-11112-1962020	
24 V DC/8 A		9000-11112-2062020	
Input			
Input voltage	90...265 V AC/90...265 V DC		
Input current	1.1 A (100 V AC); 0.5 A (240 V AC)	2.1 A (100 V AC); 0.9 A (240 V AC)	
Inrush current after 1 ms	max. 8.9 A (230 V AC)	max. 7 A (230 V AC)	
Power factor	0.98 (230 V AC)	0.95 (230 V AC)	
Connection	7/8" male, 3-pole		
Frequency	50...60 Hz		
Input fuse (internal)	6.3 A (T)		
Output			
Output voltage	24 V DC (SELV), ±2%		
Power Boost	I _{out} N × 150% (min. 4 s)		
Output current	4 A	8 A	
Connection	7/8" (female), 5-pole		
Mains failure bridging time	min. 45 ms (230 V AC); 4 A (24 V DC)	min. 35 ms (230 V AC); 8 A (24 V DC)	
Ripple	max. 20 mVrms	max. 30 mVrms	
Spikes	max. 100 mV p-p	max. 300 mV p-p	
Unit protection	Short-circuit, overload and temperature		
LED display	LED (green): OK; LED (red): overload, overheating or short-circuit		
Parallel usage/serial usage	max. 3 units/max. 2 units		
General data			
Standards	EN 60950-1, EN 61204-3, EN 55011 A, EN 61000-3-2		
Relative humidity	4...100%		
Protection	IP67		
Efficiency	91.7% (115 V AC); 92.4% (230 V AC)	93.5% (115 V AC); 94.2% (230 V AC)	
Mounting method	screw fixing		
Temperature range	-40...+60 °C, ...+70 °C derating (storage temperature -40...+80 °C)		
Dimension drawing			
			
Notes			

POWER SUPPLY UNITS

Single-phase

- Over current protection device
- 2×MICO 7/8" IOL
- Preventive Diagnostic

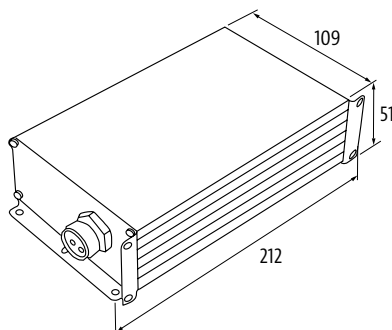
IO-Link

Emparro®67 Hybrid

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



Order Data		Art-No.
24 V DC/10 A		85676
Input		
Input voltage	90...265 V AC/90...265 V DC	
Input current	1.1 A (230 V AC)	
Inrush current after 1 ms	max. 7 A (230 V AC)	
Power factor	0.88 (230 V AC)	
Connection	7/8" male, 3-pole	
Frequency	50...60 Hz	
Input fuse (internal)	6.3 A (T)	
Output		
Output voltage	24 V DC (SELV), ±1%; 24...28 V adjustable	
Output current	max. 8 A (per channel), max. 10 A (total)	
No. of channels	2×MICO (Over current protection device)	
Connection	7/8" (female), 5-pole	
Mains failure bridging time	min. 20 ms (230 V AC)	
Ripple	max. 10 mVrms	
Spikes	max. 150 mV p-p	
Unit protection	Short-circuit, overload and temperature	
LED display	LED (green): OK; LED (red): overload, overheating or short-circuit	
Parallel usage/serial usage	no	
General data		
Standards	EN 60950-1, EN 61204-3, EN 55022 B, EN 61000-3-2	
Relative humidity	4...100%	
Protection	IP67	
Efficiency	91.6% (115 V AC); 92.8% (230 V AC)	
MTBF	430 000 h	
Mounting method	screw fixing	
Temperature range	-25...+50 °C (storage temperature -40...+85 °C)	
Dimension drawing		



Notes	
For an explanation of MICO features, see the chapter Intelligent Power Distribution	