

# COMPACT

## DECENTRALIZED INSTALLATION CONCEPTS

# EMPARRO67

## POWER SUPPLY DIRECTLY NEXT TO THE LOAD

Emparro67 power supply units are specially designed for applications outside the control cabinet. They withstand extreme environmental conditions and can be installed directly in the field, next to the loads.

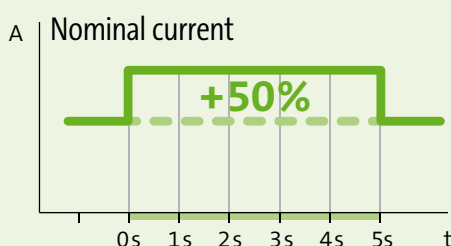
Power loss is reduced to a minimum, because the voltage is converted from 230 V AC to 24 V DC directly at the load. Therefore, the energy costs are reduced and smaller cabinets can be used.



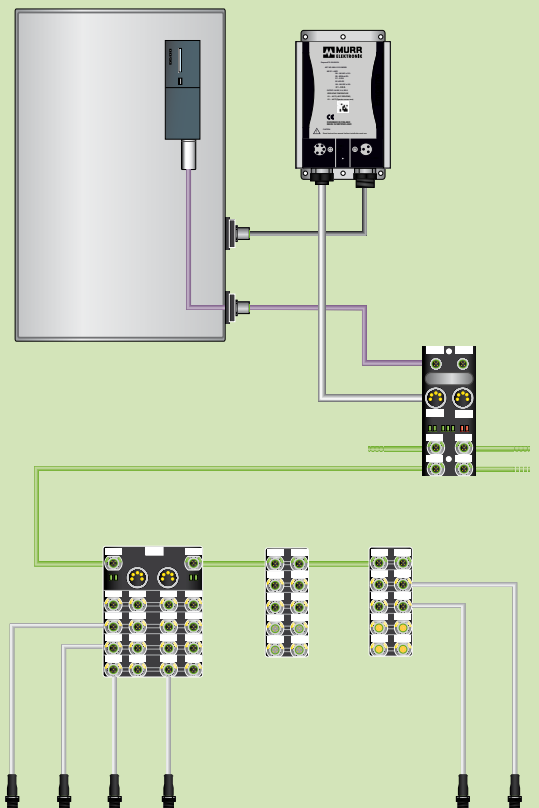
### DECENTRALIZED INSTALLATION

- Extremely rugged, fully potted housing (IP67)
- Very flat, compact design with LED
- High efficiency of up to 94.2%
- Ambient temperature up to 85 °C
- Active PFC
- Integrated input fuses
- MTBF up to 960,000

### POWER BOOST FUNCTION



### EMPARRO67 TOPOLOGY



Single phase,  
primary switched

– short circuit and  
overload protected  
(Power limiter)

– Power Boost 150 %

### Emparro67

96 W



### Emparro67

192 W



Ordering Data	Current	Art. No.	Current	Art. No.
	4 A	9000-11112-1962020	8 A	9000-11112-2062020
Input				
Input voltage	90...265 V AC / V DC			
Input current	0.5 A at 240 V AC		0.9 A at 240 V AC	
Inrush current after 1 ms	< 9 A		< 7 A	
PFC	active			
Connection	7/8" 3-pole, male			
Output				
Output voltage	24.1 V DC ± 2 %			
Power Boost	150 % for 5 seconds			
Efficiency	up to 92.4 %		up to 94.2 %	
Protection	short-circuit and overload protected (output), Power Limiter			
Connection	7/8" 5-pole, female			
General data				
Mains failure bridging	> 45 ms at 230 V AC		> 35 ms at 230 V AC	
Standards	EN 60950-1, EN 61204-3, EN 55022, EN 61000-3-2			
MTBF	960.000 h		820.000 h	
Temperature range	–25...+60 °C (storage temperature –40...+85 °C)/with derating up to 85 °C			
Mounting method	screw mounting			
Dimensions (H × W × D)	140 × 109 × 51 mm		175 × 109 × 51 mm	

## SUITABLE CONNECTORS

### INPUT SIDE

Field-Wireable	Description	Art. No.
	7/8" female, 3-pole, 0°, field-wireable, screw terminal, unshielded, 6–8 mm, 300 V / 12 A, UL approval	7000-78191-0000000
	7/8" female, 3-pole 90°, field-wireable, screw terminal, unshielded, 6–8 mm, 300 V / 12 A, UL approval	7000-78291-0000000
Female open ended wires	Description	Art. No.
	7/8" 3-pole, female straight with open ended wires, PUR	7700-A3021-UMByyyy
	7/8" 3-pole, female 90° with open ended wires, PUR	7700-A3031-UMByyyy
Connection cable	Description	Art. No.
	7/8" 3-pole male straight to female straight, PUR	7700-A3A01-UMByyyy
	7/8" 3-pole male 90° to female 90°, PUR	7700-A3A31-UMByyyy

### OUTPUT SIDE

Field-Wireable	Description	Art. No.
	7/8" male, 5-pole, 0° field-wireable screw terminal, unshielded, 6–8 mm, 300 V / 9 A, UL approval	7000-78081-0000000
	7/8" male, 5-pole 90°, field-wireable, screw terminal, unshielded, 6–8 mm, 300 V / 9 A, UL approval	7000-78141-0000000
Female open ended wires	Description	Art. No.
	7/8" 5-pole, female straight with open ended wires, PUR	7700-A5001-UMDyyyy
	7/8" 5-pole, female 90° with open ended wires, PUR	7700-A5011-UMDyyyy
Connection cable	Description	Art. No.
	7/8" 5-pole male straight to female straight, PUR	7700-A5A01-UMDyyyy
	7/8" 5-pole male 90° to female 90°, PUR	7700-A5A31-UMDyyyy

Other cable types and lengths on request.

Length yyyy in cm: 0150 – 1,5 m  
0300 – 3,0 m  
0500 – 5,0 m