

COMPACT

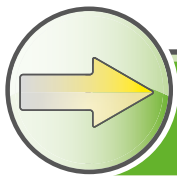
DECENTRALIZED INSTALLATION CONCEPTS

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.

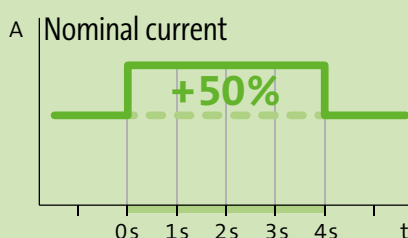
Power loss is reduced to a minimum, because the voltage is converted from 230 V AC to 24 V DC directly at the load. Therefore, the energy costs are reduced and smaller cabinets can be used.



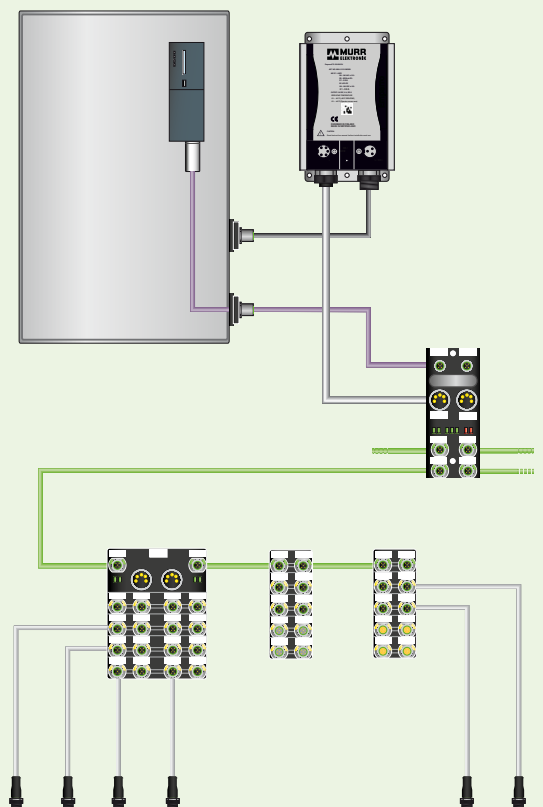
DECENTRALIZED INSTALLATION

- Low power loss
- High efficiency of up to 94.2 %
- Active PFC
- Ambient temperature up to 85 °C
- Extremely rugged, fully potted housing (IP67)
- Always safe to touch, even when under full load
- Very flat, compact design

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	
Output				
Output voltage	24.1 V DC ± 2 %			
Power Boost	150 % for 4 seconds			
Efficiency	up to 92.3 %		up to 94.2 %	
Protection	short-circuit and overload protected (output), Power Limiter			
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 55011 B, EN 61000-3-2			
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	Description	Cable Clamping Range	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
Output	Description	Cable Clamping Range	Art. No.
	7/8" male 3-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
Connection cable	Description		Art. No.
	7/8" male 90° on 7/8" female 90°, PUR-JBZ 5x1.5 gray 1.5 m		7000-50051-9610150
	7/8" male 90° on 7/8" female 90°, PUR-JBZ 5x1.5 gray 3 m		7000-50051-9610300
	7/8" male 90° on 7/8" female 90°, PUR-JBZ 5x1.5 gray 5 m		7000-50051-9610500
	7/8" male 90° on 7/8" female 90°, PUR-JBZ 5x1.5 gray 10 m		7000-50051-9611000
	7/8" male 0° on 7/8" female 0°, PUR-JBZ 5x1.5 gray 1.5 m		7000-50021-9610150
	7/8" male 0° on 7/8" female 0°, PUR-JBZ 5x1.5 gray 3 m		7000-50021-9610300
	7/8" male 0° on 7/8" female 0°, PUR-JBZ 5x1.5 gray 5 m		7000-50021-9610500
	7/8" male 0° on 7/8" female 0°, PUR-JBZ 5x1.5 gray 10 m		7000-50021-9611000
Open-ended Wires	Description		Art. No.
	7/8" female 90°, with open ended wires, PUR-JBZ 5x1.5 gray 1.5 m		7000-78051-9610150
	7/8" female 90° with open ended wires, PUR-JBZ 5x1.5 gray 3 m		7000-78051-9610300
	7/8" female 90° with open ended wires, PUR-JBZ 5x1.5 gray 5 m		7000-78051-9610500
	7/8" female 90° with open ended wires, PUR-JBZ 5x1.5 gray 10 m		7000-78051-9611000
	7/8" female 0° with open ended wires, PUR-JBZ 5x1,5 gray UL, CSA+C-tracks 1.5 m		7000-78021-9610150
	7/8" female 0° with open ended wires, PUR-JBZ 5x1,5 gray UL, CSA+C-tracks 3 m		7000-78021-9610300
	7/8" female 0° with open ended wires, PUR-JBZ 5x1,5 gray UL, CSA+C-tracks 5 m		7000-78021-9610500
	7/8" female 0° with open ended wires, PUR-JBZ 5x1,5 gray UL, CSA+C-tracks 10 m		7000-78021-9611000

ACCESSORIES

Description	Art. No.
T-coupler 7/8"-7/8", female/male	7000-50061-0000000
Power distributor 1 x 7/8" – 4 x M12	56955