COMPACT

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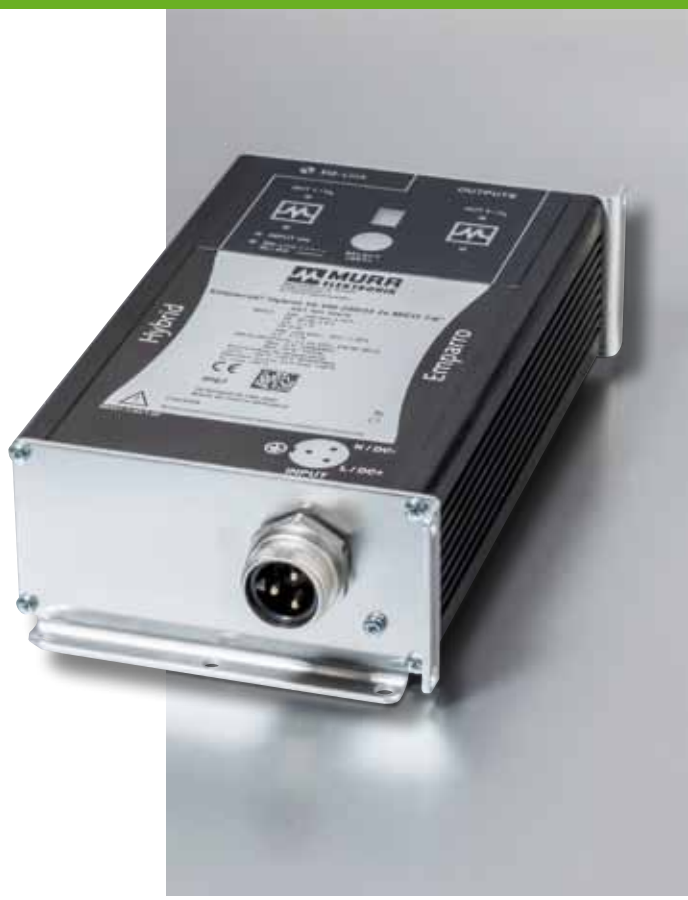
EMPARRO67 HYBRID

A NEW DIMENSION OF DECENTRALIZED POWER SUPPLY



The innovative Emparro67 Hybrid switch mode power supply unit is an all-rounder with many powerful features:

It not only relocates power supply from the control cabinet to the industrial field, but it also monitors currents using two integrated channels for 24 VDC load circuit monitoring, thus ensuring high operational reliability. An IO-Link interface permits extensive and transparent communication.

A NEW DIMENSION OF DECENTRALIZED POWER SUPPLY

- Voltage conversion relocated to where it happens
- Minimum transmission losses, low energy costs
- Smaller control cabinets or even no control cabinets possible
- Protected from mechanical stress
- The high energy efficiency (93.8 %) allows all devices to be touched during operation

THE PRACTICAL ADD-ON: IO-LINK INTERFACE

- IO-Link interface (M12 connection)
- Communicates as device with a superior IO-Link master
- Use in fully-networked intelligent applications
- Transport of extensive diagnostic data and operating characteristics
- Enables lifetime monitoring, enabeling module exchange during scheduled maintenance

IO-Link

ELECTRONIC CURRENT MONITORING FOR HIGH OPERATIONAL RELIABILITY

- Two integrated channels for electronic current monitoring
- Separate monitoring of sensor, module and actuator supplies
- 2-pole switch-off of short circuits and overload
- Patented tripping characteristics: “as late as possible, as early as necessary”
- 90 percent early warning
- Switch-on again via button or signal

Single-phase, primary switch mode

– Short-circuit- and overload-protected

Emparro67 Hybrid

192 W

Order data	Current	Art. No.
	10 A	**85676**
Input		
Input voltage	90...265 V AC/V DC	
Input current	1.1 A at 230 V AC	
Inrush current after 1 ms	< 7 A	
PFC	Active	
Connection	7/8" 3-pin, male	
Output		
Output voltage	24.1 V DC ± 2 %	
MICO outputs	2 outputs, 2-pole switching	
Output current	max. 8 A / channel, max. 10 A total	
Efficiency	up to 93.8 %	
Switch-on capacitance	20,000 µF / channel	
Connection	7/8" 5-pin, female	
IO-Link		
Parameter	ON/OFF; setting tripping current, setting output voltage, and many more	
Diagnostics	Output current, alarm, life cycle, and many more	
Connection	M12, male	
General data		
Holdup time	> 20 ms at 230 V AC	
Standards	EN 60950-1, EN 61204-3, EN 55022, EN 61000-3-2	
MTBF	430,000 h	
Temperature range	–25...+50 °C (storage temperature –40...+85 °C)	
Fastening method	Screw fastening	
Dimensions (H × W × D)	212 × 109 × 51 mm	

SUITABLE CONNECTORS

INPUT SIDE

Field-wireable	Description	Art. No.
	7/8" 3-pin female, 0°, field wireable, screw terminal unshielded, 6–8 mm, 300 V / 12 A, UL approved	**7000-78191-0000000**
	7/8" 3-pin female, 0°, 90°, field wireable, screw terminal unshielded, 6–8 mm, 300 V / 12 A, UL approved	**7000-78291-0000000**
Female open leads	**Description**	**Art. No.**
	7/8“ 3-pin female, 0° with open lead, PUR	**7700-A3021-UMByyyy**
	7/8“ 3-pin female, 90° with open lead, PUR	**7700-A3031-UMByyyy**
Connecting cable	**Description**	**Art. No.**
	7/8“ 3-pin male, 0° on 0° female, PUR	**7700-A3A01-UMByyyy**
	7/8“ 3-pin male, 90° on 90° female, PUR	**7700-A3A31-UMByyyy**

OUTPUT SIDE

Field-wireable	Description	Art.-Nr.
	7/8" 5-pin female, 0°, field wireable, screw terminal unshielded, 6–8 mm, 300 V / 12 A, UL approved	**7000-78081-0000000**
	7/8“ 5-pin female, 90°, field wireable, screw terminal unshielded, 6–8 mm, 300 V / 12 A, UL approved	**7000-78141-0000000**
Female open leads	**Description**	**Art.-Nr.**
	7/8“ 5-pin female, 0° with open lead, PUR	**7700-A5001-UMDyyyy**
	7/8“ 5-pin female, 90° with open lead, PUR	**7700-A5011-UMDyyyy**
Connecting cable	**Description**	**Art.-Nr.**
	7/8“ 5-pin male, 0° on 0° socket, PUR	**7700-A5A01-UMDyyyy**
	7/8“ 5-pin male, 90° on 90° socket, PUR	**7700-A5A31-UMDyyyy**

Further cable types and lengths on request.

Length yyyy in cm: 0150 – 1.5 m
0300 – 3.0 m
0500 – 5.0 m