Power Supply Emparro20-Pro-1-phase

In: 90 - 264 VAC / 90 - 250 VDC; OUT: 42 - 56 V/10ADC

Art.No.: 9000-16113-1221110
Weight: 0,890 kg
Country of origin: CZ
Model designation: Emparro20-Pro-1-480-48

The single-phase DIN rail and screw-mounted power supplies of the Emparro20-Pro series offer even more functions than the Emparro. With the optional IO-Link adapter, the switching power supply can be controlled and monitored remotely, which enables comprehensive integration into your control system. In addition, these power supplies have integrated electronic load circuit monitoring, which means that external line protection on the DC side is no longer required. This not only reduces the installation effort, but also increases the reliability of the power supply. Emparro20-Pro also gives you access to extensive diagnostic information to minimize disruptions and downtime and maximize the efficiency of your application.

Link to Product

Illustration



Product may differ from Image

Commercial data

URL Webshop	https://shop.murrelektronik.com/9000-16113-1221110
GTIN	4048879910958
EU-Customs tariff number	85044095
US-Customs tariff number	8504409580
ECLASS-6.0	27049002
ECLASS-6.1	27049002
ECLASS-7.0	27049002
ECLASS-8.0	27049002
ECLASS-9.0	27040701
ECLASS-10.1	27040701
ECLASS-11.1	27040701
ECLASS-12.0	27040701
ETIM-5.0	EC002540
ETIM-6.0	EC002540
ETIM-7.0	EC002540

The information in this Product-PDF has been compiled with the utmost care.
Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2026-10-14

ETIM-8.0	EC002540
ETIM-10.0	EC002540
customs tariff number	85044095
EAN	4048879910958
Packaging unit	1
Electrical data	
Parallel connection	Yes
Number of devices parallel connection max.	2
Series connection	Yes
Number of devices series connection max.	1
Electrical data | Supply	
Protective measure	SELV/PELV
Power frequency	50/60 Hz
Electrical data | Input	
Phase number input	1
Input voltage AC min.	90 V
Input voltage AC max.	264 V
Nominal input voltage AC	1 × 100 V … 240 V
Input voltage DC min.	90 V
Input voltage DC max.	250 V
Nominal input voltage DC	100 V … 230 V
Nominal current AC	1 × 5.3 A @ 100 V,2.2 A @ 240 V
Nominal current DC	5.2 A @ 100 V, 2.2 A @ 230 V
Power factor	115 V AC @ 230 V AC
Efficiency	93.5 % @ 115 V AC 95.5 % @ 230 V AC
Electrical data | Output	
Output voltage DC	48 V
Output voltage DC min.	42 V
Output voltage DC max.	56 V
Output current	10 A
Output rating	480 W
Duration Power Boost min.	5 s
Spikes (s-s) max.	110 mV
Ripple (s-s) max.	10 mV
Diagnostics	
Alarm contact	Yes
Installation | Connection	
Connection	Push-In spring clamp terminals
Device protection | Electrical	
Installation height max. ASL	5000 m
Degree of protection (EN IEC 60529)	IP20
Protection class (EN IEC 61140)	I
Pollution Degree	2
Overload protection output	Yes
Short-circuit protection output	Yes
Overtemperature protection output	Yes
Device protection | Mechanical	
Cooling type	Natural convection
Mechanical data | Material data	
housing	Stainless steel, Aluminum
Combustibility class housing (UL94)	V-0

The information in this Product-PDF has been compiled with the utmost care.
Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2026-10-14

Conformal coated PCB	No
Mechanical data | Mounting data	
Net weight	890 g
Height	143 mm
Width	50 mm
Depth	153 mm
mounting position	horizontal, vertical
Mounting method	geschnappt
Suitable for mounting type	Mounting rail TH35
Environmental characteristics | Electromagnetic compatibility	
Interference emission	IEC/EN 61131-2
Electrostatic discharge immunity test (IEC 61000-4-2)	Criteria B
Radiated, radio-frequency, electromagnetic fields (IEC 61000-4-3)	Criteria A
Electrical fast transient/burst immunity test (IEC 61000-4-4)	Criteria B
Surge immunity test (IEC 61000-4-5)	Criteria B
Immunity to conducted disturbances, induced by radio-frequency fields (IEC 61000-4-6)	Criteria A
Environmental characteristics | Climatic	
Ambient temperature (operation)	-40 °C … 70 °C
Derating	60 °C
Ambient temperature (storage, transport)	-40 °C … 85 °C
Relative humidity (operation)	5 % … 95 %
Environmental product conformity	
REACH ((EC) 1907/2006)	compliant
RoHS (2011/65/EU, (EU) 2015/863)	compliant
RoHS-Exemption (2011/65/EU)	keine RoHS-Ausnahme
China RoHS (SJ/T 11364, GB/T 26572)	EFUP-20
WEEE (2012/19/EU)	compliant
Conformity	
Product standard	EN IEC 61131-9, EN IEC 61204-3
CE	2014/30/EU
Approvals	
UL Listed (US, CA)	E200364
SEMI F47	compliant

The information in this Product-PDF has been compiled with the utmost care.
Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2026-10-14