

Power Supply Emparro20-Pro-1-phase

In: 90 - 264 VAC / 90 - 250 VDC; OUT: 22 - 28 V/20ADC

Art.No.: 9000-16112-1421110

Weight: 0.89

Country of origin: CZ

Model designation: Emparro20-Pro-1-480-24

The single-phase DIN rail 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

ECLASS-6.0	27049002
ECLASS-6.1	27049002
ECLASS-7.0	27049002
ECLASS-8.0	27040701
ECLASS-9.0	27040701
ECLASS-10.1	27040701
ECLASS-11.1	27040701
ECLASS-12.0	27040701
ETIM-5.0	EC002540
customs tariff number	85044095
customs tariff number	85044095
EAN	4048879894623
EAN	4048879894623
Packaging unit	1
Packaging unit	1

Electrical data

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: 2025-06-03

Number of devices parallel connection max.	2
Number of devices series connection max.	2
Parallel connection	yes
Series connection	yes
Security level	SELV/PELV

Electrical data | Supply

Power frequency	50/60 Hz
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Electrical data | Input

Input voltage AC min.	90 V
Input voltage AC max.	264 V
Input voltage 1 AC	100 V
Input voltage 2 AC	240 V
Input voltage DC min.	90 V
Input voltage DC max.	250 V
Input voltage 1 DC	100 V
Input voltage 2 DC	230 V
Input current at input voltage 1 AC	5,3 A
Input current at input voltage 2 AC	2,2 A
Input current at input voltage 1 DC	5,2 A
Input current at input voltage 2 DC	2,2 A
Phase number input	2
Efficiency	93,3 % @ 115 V AC, 95,2 % @ 230 V AC

Electrical data | Output

Output rating	576 W
Output voltage DC	24 V
Output voltage DC min.	22 V
Output voltage DC max.	28 V
Output current	24 A
Duration Power Boost min.	5 s
Ripple (s-s) max.	10 mV
Spikes (s-s) max.	200 mV

Diagnostics

Alarm contact	yes
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Installation | Connection

Connection	Push-In spring clamp terminals
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Device protection | Electrical

Installation height max. ASL	5000 m
Degree of protection (EN IEC 60529)	IP20
Protection class (EN IEC 61140)	I
Overload protection output	yes
Invers-polarity protection	no
Pollution Degree	2
Short-circuit protection output	yes
Overtemperature protection output	yes

Device protection | Mechanical

Cooling type	Natural convection
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Mechanical data | Material data

Material housing	Aluminum, Stainless steel
Combustibility class housing (UL94)	V-0
Conformal coated PCB	no

Mechanical data | Mounting data

Net weight	890 g
Mounting method	geschnappt
Suitable for mounting type	Mounting rail TH35
mounting position	horizontal, vertical
Height	143 mm
Width	50 mm
Depth	153 mm

Environmental characteristics | Climatic

Ambient temperature min.	-40 °C
Ambient temperature max.	70 °C
Derating from	60 °C
Storage temperature min.	-40 °C
Storage temperature max.	85 °C
Relative humidity min. (operation)	5 %
Relative humidity max. (operation)	95 % no dew formation

Environmental product conformity

REACH	(EC) No 1907/2006
REACH-SVHC	compliant
RoHS	2011/65/EU
China RoHS	compliant EPUP 20
WEEE	compliant

Conformity

CE	2014/30/EU
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Approvals

UL	E200364
ULc	E200364