

Power Supply Emparro20-Pro-1-phase

In: 100 - 240 VAC / 100 - 230 VDC; OUT: 42 - 56 V/10ADC

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



Electrical data	
Number of devices parallel connection max.	2
Number of devices series connection max.	1
Parallel connection	yes
Series connection	yes
Security level	SELV/PELV
Electrical data Supply	
Power frequency	50/60 Hz
Electrical data Input	
Input current at input voltage 2 DC	2,2 A
Input current at input voltage 1 DC	5,2 A
Input voltage 1 AC	100 V
Input voltage 1 DC	100 V
Input voltage 2 AC	240 V
Input voltage 2 DC	230 V
Input voltage AC min.	90 V
Input voltage AC max.	264 V
Input voltage DC min.	90 V
Input voltage DC max.	250 V

Input current at input voltage 1 AC	5,3 A
Input current at input voltage 2 AC	2,2 A
Phase number input	2
Efficiency	93,5 % @ 115 V AC, 95,5 % @ 230 V AC
Electrical data Output	
Output rating	480 W
Output voltage DC	48 V
Output voltage DC min.	42 V
Output voltage DC max.	56 V
Output current	10 A
Duration Power Boost min.	5 s
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
Overload protection output	yes
Pollution Degree	2
Short-circuit protection output	yes
Overtemperature protection output	yes
Device protection Mechanical	
Cooling type	Natural convection
Mechanical data Material data	
Combustibility class housing (UL94)	V-0
Conformal coated PCB	no
Material housing	Aluminium, Stainless steel
Mechanical data Mounting data	
Net weight	890 g
Mounting method	screwed
Suitable for mounting type	Schlüssellochaufhängung
mounting position	horizontal, vertical
Height	146 mm
Width	50 mm
Depth	137 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 %
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
Approvals	
UL	E200364
ULc	E200364
SEMI F47	compliant
取引条件	
GTIN	4048879911061
HSコード	85044095
Packaging unit	1