

Power Supply Emparro20-Advanced-3-phase

IN: 3x400 - 500VAC; OUT: 45 - 56V/5ADC

The Emparro20-Advanced series of three-phase DIN rail power supplies are extremely versatile and are suitable for a wide range of applications where reliable DC power is required. The high efficiency of these power supplies allows you to save on energy costs while reducing your carbon footprint. Thanks to the low heat dissipation, the service life of the power supplies is extended and the cooling requirements of your control cabinet are reduced. The switching power supply also offers a 5-second power boost, which allows the operation of capacitive and inductive loads. With a very low inrush current, the input circuit breaker is prevented from tripping. The push-in terminal technology ensures quick and easy installation of the power supply unit. The powerful overvoltage protection effectively protects the power supplies from short-term voltage spikes, which extends the service life of the power supplies and increases machine availability.

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	27049002
ECLASS-9.0	27040701
ECLASS-10.1	27040701
ECLASS-11.1	27040701
ECLASS-12.0	27040701
ETIM-5.0	EC002540
customs tariff number	85044083
GTIN	4065909055670
Packaging unit	1
Electrical data	
Number of devices parallel connection max.	3
Number of devices series connection max.	20
Parallel connection	yes
Series connection	yes

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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 Mechanical data Mounting data Net weight 780 g Mounting method geschnappt Suitable for mounting type Tragschiene TH35-7.5/TH35-15 mounting position horizontal, vertical Height 129 mm Width	Security level	SELV/PELV
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Phase number input 3 Efficiency 93.8 % @ 400 V AC, 94 % @ 500 V AC Electrical foiat Output Very Coupt of Vallage DC Output vallage DC min. 48 V Output vallage DC min. 45 V Output vallage DC max. 56 V Output vallage DC max. 56 V Output current min. 4,2 A Output put vallage DC max. 5.3 A Duration Power Boost min. 5 s Mains failure bridging min. 20 m@ 400 V AC Mains failure bridging max. 40 mc @ 500 V AC Power Boost 150 % Ripple (s.s.) max. 20 mV Spikes (s.e.) max. 80 mV Diagnostics 40 mc @ 500 V AC Alarm contact yes Installation Connection Push-In spring clamp terminals Device protection Electrical Intellation height max. ASL 3000 m Degree of protection (Electrical Intellation height max. ASL 3000 m Degree of protection (Electrical Intellation output) yes Protection class (EN IEC 61140) 1 Overland protection output yes		
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mounting position horizontal, vertical Height 129 mm Width 55 mm		
Height 129 mm Width 55 mm		
Width 55 mm	Height	· · · · · · · · · · · · · · · · · · ·
	Width	
	Depth	138,2 mm

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Ambient temperature min.	-25 °C
	70 °C
Ambient temperature max.	
Storage temperature min.	-40 °C
Storage temperature max.	85 °C
Relative humidity max. (operation)	95 %
Environmental product conformity	
REACH	(EC) No 1907/2006
REACH-SVHC	compliant
RoHS	2011/65/EU
China RoHS	compliant EPUP 25
WEEE	compliant
Halogen-free-Material	JEDEC JS709A
Pb-free-Material	JESD97
Conformity	
DE .	2014/30/EU
	2017/00/LU
Approvals	
JL	E200364
JLc	E200364
SEMI F47	compliant
Connection type 3	
Connection type 1	Alarm
Connection type 2	Input
Connection type 3	Output
Connection	Spring clamp terminals FK
Family construction form	terminal
Gender	female
Color contact carrier	green
No. of poles	4
PIN 1	13 3.1
PIN 2	14 3.2
PIN 3	Inhibit + 3.3
PIN 4	Inhibit - 3.4
Connection	Spring clamp terminals FK
Family construction form	terminal
Gender	female
Color contact carrier	
No. of poles	green 4
PIN 1	L 1 1.1
PIN 2	
PIN 3	L 2 1.2
	L 3 1.3
PIN 4	PE 1.4
Connection	Spring clamp terminals FK
Family construction form	terminal
Gender	female
Color contact carrier	green
No. of poles	4
PIN 1	2.1
PIN 2	2.2
PIN 3	2.3