

Power Supply Emparro20-Advanced-3-phase

IN: 3x342 - 575VAC; OUT: 45 - 56V/5ADC

Art.No.: 9000-17333-0921110

Weight: 0.66

Country of origin: MY

Model designation: Emparro20-Advanced-3-240-48

[Link to Product](#)

Illustration



Product may differ from Image



Header

Material short text Emparro20-Advanced-3-240-48

Commercial data

URL Webshop	https://shop.murrelektronik.com/9000-17333-0921110
GTIN	4065909055670
ECLASS-6.0	27049002
ECLASS-6.1	27049002
ECLASS-7.0	27049002
ECLASS-7.1	27049002
ECLASS-8.0	27049002
ECLASS-8.1	27049002
ECLASS-9.0	27040701
ECLASS-9.1	27040701
ECLASS-10.0.1	27040701
ECLASS-10.1	27040701
ECLASS-11.0	27040701
ECLASS-11.1	27040701
ECLASS-12.0	27040701
ECLASS-13.0	27040701
ECLASS-14.0	27040701
ETIM-5.0	EC002540
ETIM-6.0	EC002540

ETIM-7.0	EC002540
ETIM-8.0	EC002540
customs tariff number	85044083
EAN	4065909055670
Packaging unit	1

Electrical data

Security level	SELV/PELV
Parallel connection	yes
Number of devices parallel connection max.	3
Series connection	yes
Number of devices series connection max.	20

Electrical data | Supply

Power frequency	50/60 Hz
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Electrical data | Input

Phase number input	3
Input voltage AC min.	342 V
Input voltage AC max.	575 V
Nominal input voltage AC	3 × 380 V
Input voltage DC min.	450.5 V
Input voltage DC max.	810 V
Nominal input voltage DC	530 V
Nominal current AC	3 × 0.58 A @ 380 V , 0.49 A @ 500 V
Nominal current DC	530 V , 675 V
Power factor	400 V AC 500 V AC
Efficiency	93.8 % @ 400 V AC 94 % @ 500 V AC

Electrical data | Output

Output voltage DC	48 V
Output voltage DC min.	45 V
Output voltage DC max.	56 V
Output current min.	4.2 A
Output current max.	5.3 A
Output rating	240 W
Mains failure bridging min.	20 ms @ 400 V AC
Mains failure bridging max.	40 ms @ 500 V AC
Power Boost	150 %
Duration Power Boost min.	5 s
Spikes (s-s) max.	80 mV
Ripple (s-s) max.	20 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	3,000 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

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

Mechanical data | Mounting data

Net weight	780 g
Height	129 mm
Width	55 mm
Depth	138.2 mm
mounting position	horizontal, vertical
Mounting method	geschnappt
Suitable for mounting type	Tragschiene TH35-7.5/TH35-15

Environmental characteristics | Electromagnetic compatibility

Electrostatic discharge immunity test (IEC 61000-4-2)	Criteria A
Radiated, radio-frequency, electromagnetic fields (IEC 61000-4-3)	Criteria A
Surge immunity test (IEC 61000-4-5)	Criteria A
Immunity to conducted disturbances, induced by radio-frequency fields (IEC 61000-4-6)	Criteria A
Power frequency magnetic field (IEC 61000-4-8)	Criteria A

Environmental characteristics | Climatic

Ambient temperature min.	-25 °C
Ambient temperature max.	70 °C
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
WEEE	compliant
Halogen-free-Material	JEDEC JS709A
Pb-free-Material	JESD97

Conformity

CE	2014/30/EU
EMC	IEC/EN 61000-6-2, IEC/EN 61000-6-3 + A1 (2011) / AC

Approvals

UL	E200364
ULc	E200364
SEMI F47	compliant

Connection type 3

Connection type 1	Alarm
Connection type 2	Input
Connection type 3	Output
Family construction form	terminal
No. of poles	4
Gender	female
Color contact carrier	green
Connection	Spring clamp terminals FK

PIN 1	13 3.1
PIN 2	14 3.2
PIN 3	Inhibit + 3.3
PIN 4	Inhibit - 3.4
Family construction form	terminal
No. of poles	4
Gender	female
Color contact carrier	green
Connection	Spring clamp terminals FK
PIN 1	L 1 1.1
PIN 2	L 2 1.2
PIN 3	L 3 1.3
PIN 4	PE 1.4
Family construction form	terminal
No. of poles	4
Gender	female
Color contact carrier	green
Connection	Spring clamp terminals FK
PIN 1	2.1
PIN 2	2.2
PIN 3	2.3
PIN 4	2.4