Power Supply Emparro20-Advanced-3-phase Coated

IN: 3x342 - 575VAC; OUT: 45 - 56V/10ADC

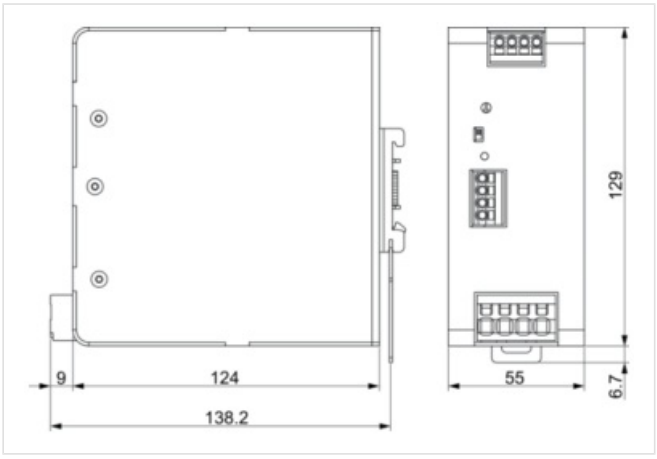
Art.No.: 9000-17333-1221111
Weight: 1,050 kg
Model designation: Emparro20-Advanced-3-480-48-Coated

The Emparro20-Advanced-Coated series of three-phase DIN rail power supplies are extremely versatile and are suitable for a wide range of applications including applications in harsh environment where reliable DC power is required. The conformal coating is according to IEC EN 60068-2-60 and IEC 60068-2-11 standards. 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

Manufacturer name	Murrelektronik GmbH
Manufacturer address	Grabenstraße 29, 71570 Oppenweiler, GERMANY
URL Webshop	https://shop.murrelektronik.com/9000-17333-1221111
GTIN	4065909202944
EU-Customs tariff number	85044083
US-Customs tariff number	8504409550
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

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ECLASS-12.0	27040701
ETIM-5.0	EC002540
ETIM-10.0	EC002540
customs tariff number	85044083
EAN	4065909202944
Packaging unit	1
Electrical data	
Parallel connection	Yes
Number of devices parallel connection max.	3
Series connection	Yes
Electrical data | Supply	
Protective measure	SELV/PELV
Power frequency	50/60 Hz
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 … 500 V
Input voltage DC min.	450.5 V
Input voltage DC max.	810 V
Nominal input voltage DC	530 V … 675 V
Nominal current AC	3 × 0.8 A @ 380 V,0.65 A @ 500 V
Nominal current DC	530 V @ 675 V
Inrush current max.	22 A @ 500 V
Power factor	0.92 @ 400 V AC 0.92 @ 500 V AC
Efficiency	95.3 % @ 400 V AC 95.1 % @ 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	10 A
Output rating	480 W
Mains failure bridging min.	25 ms @ 400 V AC
Mains failure bridging max.	25 ms @ 500 V AC
Power Boost	150 %
Duration Power Boost max.	7 s
Spikes (s-s) max.	120 mV
Ripple (s-s) max.	50 mV
Power rating DC max.	720 W
Diagnostics	
Alarm contact	Yes
Device protection | Electrical	
Installation height max. ASL	3000 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

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Mechanical data | Material data	
housing	Aluminum
Combustibility class housing (UL94)	V-0
Conformal coated PCB	No
Mechanical data | Mounting data	
Net weight	1050 g
Height	159.3 mm
Width	65 mm
Depth	135.7 mm
mounting position	horizontal, vertical
Suitable for mounting type	Tragschiene TH35-7.5/TH35-15
Environmental characteristics | Electromagnetic compatibility	
Interference emission	EN IEC 61000-6-3, EN IEC 55011
Immunity to interference	EN IEC 61000-6-2, EN/IEC 61000-4-2, EN IEC 61000-4-3, EN/IEC 61000-4-4, EN/IEC 61000-4-5, EN IEC 61000-4-6, EN/IEC 61000-4-8, EN IEC 61000-4-11
Environmental characteristics | Climatic	
Ambient temperature (operation)	-25 °C … 70 °C
Ambient temperature (storage, transport)	-40 °C … 85 °C
Relative humidity (operation)	95 %
Additional condition relative humidity	no condensation
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-25
WEEE (2012/19/EU)	compliant
Halogen content	halogen-free, JEDEC/ECA JS709
Lead-free	JEDEC JESD97
Conformity	
CE	2014/30/EU, 2014/35/EU
Approvals	
UL Listed (US, CA)	E200364
Connection type 3-3	
Connection type 1	Input
Connection type 2	Output
Connection type 3	Signal
Family construction form	terminal
No. of poles	4
Gender	female
Color contact carrier	green
Connection	Spring clamp terminals FK
PIN 1	L 1
PIN 2	L 2
PIN 3	L 3
PIN 4	PE
Family construction form	terminal
No. of poles	4
Gender	female
Color contact carrier	green
Connection	Spring clamp terminals FK
PIN 1	V +

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PIN 2	V +
PIN 3	V -
PIN 4	V -
Family construction form	terminal
No. of poles	4
Gender	female
Color contact carrier	green
Connection	Spring clamp terminals FK
PIN 1	DC OK
PIN 2	DC OK
PIN 3	INH+
PIN 4	INH-

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