Emparro 5-100-240/48 S

Screw mounting

Art.No.: 85723
Weight: 0,855 kg
Country of origin: CZ
Model designation: Emparro 5-100-240/48 S

INPUT: 85...265 V AC/90...250 V DC
OUTPUT: 48...56 V DC
Current: 5 A

Link to Product

Illustration



Product may differ from Image

Commercial data

URL Webshop	https://shop.murrelektronik.com/85723
GTIN	4048879670333
EU-Customs tariff number	85044095
US-Customs tariff number	8504409580
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

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: 2026-10-14

ECLASS-14.0	27040701
ETIM-5.0	EC002540
ETIM-6.0	EC002540
ETIM-7.0	EC002540
ETIM-8.0	EC002540
ETIM-9.0	EC002540
ETIM-10.0	EC002540
customs tariff number	85044095
EAN	4048879670333
Packaging unit	1
Electrical data	
Parallel connection	Yes
Number of devices parallel connection max.	5
Series connection	Yes
Number of devices series connection max.	2
Electrical data | Supply	
Protective measure	SELV
Power frequency	50 ... 60 Hz
Electrical data | Input	
Input voltage AC min.	85 V
Input voltage AC max.	265 V
Nominal input voltage AC	100 V … 240 V
Input voltage DC min.	90 V
Input voltage DC max.	250 V
Nominal current AC	2.6 A @ 100 V,1.1 A @ 240 V
Inrush current max.	5.5 A @ 230 V
Power factor	230 V AC
Efficiency	93.7 % @ 110 V AC 95.1 % @ 230 V AC
Characteristic back-up fuse	Inertia
Fuse protection primary side internal	6.3 A
Electrical data | Output	
Output voltage adjustable	Yes
Output voltage DC	48 V
Output voltage DC min.	48 V
Output voltage DC max.	56 V
Output current	5 A
Mains failure bridging min.	30 ms @ 100 V AC
Power Boost	150 %
Duration Power Boost min.	4 s
Spikes (s-s) max.	200 mV
Ripple effective max.	50 mV
Device protection | Electrical	
Degree of protection (EN IEC 60529)	IP20
Overload protection output	Yes
Short-circuit protection output	Yes
Mechanical data | Mounting data	
Height	123 mm
Width	65 mm
Depth	138 mm
Suitable for mounting type	4 hole screw mounting
Environmental characteristics | Electromagnetic compatibility	

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: 2026-10-14

Interference emission	EN IEC 55011, IEC 61000-3-2
Environmental characteristics | Climatic	
Operating temperature min.	-40 °C
Operating temperature max.	60 °C
Ambient temperature (storage, transport)	-40 °C … 80 °C
Relative humidity (operation)	5 % … 95 %
Additional condition relative humidity	no condensation
Conformity	
Product standard	EN IEC 61010-2-201, EN 61204-3
Approvals	
SEMI F47	compliant
Connection type 3-3	
Connection type 1	Alarm
Connection type 2	Input
Connection type 3	Output
Family construction form	terminal
No. of poles	2
Gender	female
Color contact carrier	green
Connection	Spring clamp terminals FK
PIN 1	13
PIN 2	14
Family construction form	terminal
No. of poles	3
Gender	female
Color contact carrier	green
Connection	Spring clamp terminals FK
PIN 1	PE
PIN 2	N
PIN 3	L
Family construction form	terminal
No. of poles	4
Gender	female
Color contact carrier	green
Connection	Spring clamp terminals FK
PIN 1	-
PIN 2	-
PIN 3	+
PIN 4	+

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: 2026-10-14