

## Emparro IP67 Power Supply 1-Phase

OUT: 24VDC 10A - M12L 5P - SELV

Art.No.: 85678

Weight: 1.85

Country of origin: CZ

Model designation: Emparro67 Hybrid 10-240/24 M12

Emparro®67 Hybrid

2× MICO M12 IOL

M12 (female) 5-pole, L-coded

Current: 10 A

INPUT: 90...265 V AC/90...265 V DC

OUTPUT: 24...28 V DC

Preventive Diagnostic

Over current protection device

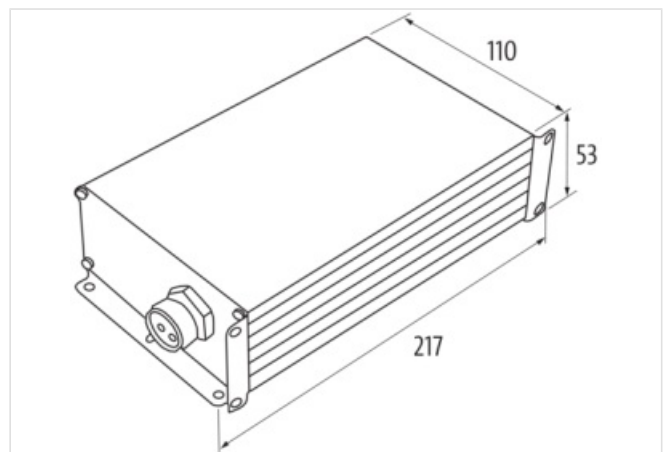
controllable via IO-Link

### Link to Product

#### Illustration



Product may differ from Image



#### Commercial data

URL Webshop	<a href="https://shop.murrelektronik.com/85678">https://shop.murrelektronik.com/85678</a>
GTIN	4048879798433
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
EAN	4048879798433

#### Electrical data

Security level	SELV
Parallel connection	no
Series connection	no

#### Electrical data | Supply

Power frequency	50 ... 60 Hz
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#### Electrical data | Input

Input voltage AC	240 V
Input voltage AC min.	90 V
Input voltage AC max.	265 V
Input voltage DC min.	90 V
Input voltage DC max.	265 V
Current input AC	1.2 A
Inrush current max.	5.9 A @ 230 V
Power factor	230 V AC
Efficiency	91.6 % @ 115 V AC , 92.8 % @ 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	24 V
Output voltage DC min.	24 V
Output voltage DC max.	28 V
Output current max.	10 A
Number of output channels	2
Output current per channel max.	8 A
Mains failure bridging min.	20 ms @ 230 V AC
Spikes (s-s) max.	150 mV
Ripple effective max.	10 mV

#### Device protection | Electrical

Degree of protection (EN IEC 60529)	IP67
Overload protection output	yes
Short-circuit protection output	yes
Overtemperature protection output	yes

#### Mechanical data | Mounting data

Height	216 mm
Width	110 mm
Depth	53 mm
Suitable for mounting type	6 hole screw mounting

#### Environmental characteristics | Climatic

Operating temperature min.	-25 °C
Operating temperature max.	80 °C

Derating from	50 °C
Storage temperature min.	-25 °C
Storage temperature max.	85 °C
Relative humidity min. (operation)	4 %
Relative humidity max. (operation)	100 %

#### Technical Data | Reliability

MTBF	461000 h , EN ISO 13849-1, SN 29500, EN IEC 61709
Additional condition MTTF, MTBF	40 °C

#### Conformity

Product standard	IEC 61010-2-201
EMC	EN 55022 B, EN 61000-3-2
Low Voltage Directive	EN 61204-3

#### Connection type 2

Connection type 1	Output
Connection type 2	Signal
Family construction form	M12
No. of poles	5
Coding	L
Gender	female
Color contact carrier	black
PIN 1	24 V DC (Out 1)
PIN 2	0 V (Out 2)
PIN 3	0 V (Out 1)
PIN 4	24 V DC (Out 2)
PIN 5	PE
Family construction form	M12
No. of poles	4
Coding	A
Gender	male
Color contact carrier	black
PIN 1	L + (24 V DC) (In)
PIN 2	DI / DO (I / Q)
PIN 3	L - (0 V)
PIN 4	IO-Link (C / Q)