

**EMPARRO POWER SUPPLY 1-PHASE,**

IN: 100-240VAC OUT: 24-28VDC/10A

Art.No.: 85441

Weight: 0.85

Country of origin: CZ

Model designation: Emparro 10-100-240/24

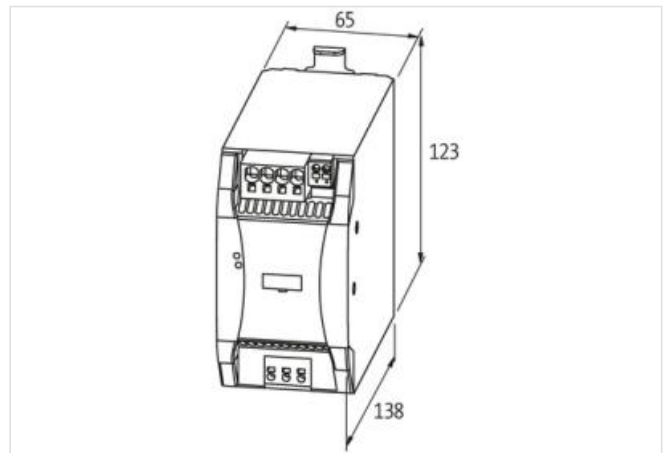
INPUT: 85...265 V AC/90...250 V DC

OUTPUT: 24...28 V DC

Current: 10 A

[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 | 85044095      |
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| GTIN                  | 4048879381499 |
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| Packaging unit        | 1             |
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**Electrical data**

|                                            |   |
|--------------------------------------------|---|
| Number of devices parallel connection max. | 5 |
| Number of devices series connection max.   | 2 |

|                                                 |                                      |
|-------------------------------------------------|--------------------------------------|
| Parallel connection                             | yes                                  |
| Series connection                               | yes                                  |
| Security level                                  | SELV                                 |
| <b>Electrical data   Supply</b>                 |                                      |
| Power frequency                                 | 50 ... 60 Hz                         |
| <b>Electrical data   Input</b>                  |                                      |
| Input voltage AC min.                           | 85 V                                 |
| Input voltage AC max.                           | 265 V                                |
| Input voltage 1 AC                              | 100 V                                |
| Input voltage 2 AC                              | 240 V                                |
| Input voltage DC min.                           | 90 V                                 |
| Input voltage DC max.                           | 250 V                                |
| Input current at input voltage 1 AC             | 2,6 A                                |
| Input current at input voltage 2 AC             | 1,1 A                                |
| Fuse protection primary side internal           | 6,3 A                                |
| Characteristic back-up fuse                     | Inertia                              |
| Inrush current max.                             | 13 A                                 |
| Efficiency                                      | 92,8 % @ 110 V AC, 94,3 % @ 230 V AC |
| <b>Electrical data   Output</b>                 |                                      |
| Output voltage DC                               | 24 V                                 |
| Output voltage DC min.                          | 24 V                                 |
| Output voltage DC max.                          | 28 V                                 |
| Output voltage adjustable                       | yes                                  |
| Output current                                  | 10 A                                 |
| Duration Power Boost min.                       | 4 s                                  |
| Mains failure bridging min.                     | 30 ms @ 100 V AC                     |
| Power Boost                                     | 150 %                                |
| Ripple effective max.                           | 50 mV                                |
| Spikes (s-s) max.                               | 200 mV                               |
| <b>Device protection   Electrical</b>           |                                      |
| Degree of protection (EN IEC 60529)             | IP20                                 |
| Overload protection output                      | yes                                  |
| Short-circuit protection output                 | yes                                  |
| <b>Mechanical data   Mounting data</b>          |                                      |
| Mounting method                                 | geschnappt                           |
| Suitable for mounting type                      | Mounting rail TH35, (EN 60715)       |
| Height                                          | 123 mm                               |
| Width                                           | 65 mm                                |
| Depth                                           | 138 mm                               |
| <b>Environmental characteristics   Climatic</b> |                                      |
| Operating temperature min.                      | -40 °C                               |
| Operating temperature max.                      | 60 °C                                |
| Derating from                                   | 45 °C                                |
| Storage temperature min.                        | -40 °C                               |
| Storage temperature max.                        | 80 °C                                |
| Relative humidity min. (operation)              | 5 %                                  |
| Relative humidity max. (operation)              | 95 % no condensation                 |
| <b>Approvals</b>                                |                                      |
| SEMI F47                                        | compliant                            |
| <b>Connection type 3</b>                        |                                      |
| 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             | 2                         |
| PIN 1                    | 13                        |
| PIN 2                    | 14                        |
| Connection               | Spring clamp terminals FK |
| Family construction form | terminal                  |
| Gender                   | female                    |
| Color contact carrier    | green                     |
| No. of poles             | 3                         |
| PIN 1                    | PE                        |
| PIN 2                    | N                         |
| PIN 3                    | L                         |
| Connection               | Spring clamp terminals FK |
| Family construction form | terminal                  |
| Gender                   | female                    |
| Color contact carrier    | green                     |
| No. of poles             | 4                         |
| PIN 1                    | -                         |
| PIN 2                    | -                         |
| PIN 3                    | +                         |
| PIN 4                    | +                         |