

**EMPARRO POWER SUPPLY 1-PHASE,**

IN: 100-240VAC OUT: 48-56VDC/10A

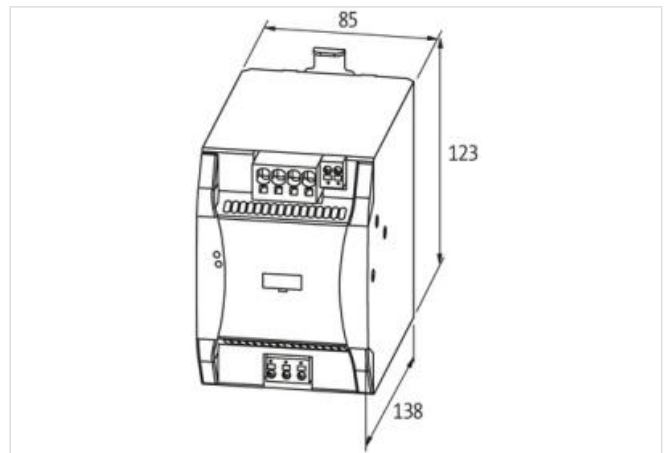
INPUT: 85...265 V AC/90...250 V DC

OUTPUT: 48...56 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      |
| GTIN                  | 4048879402682 |
| Packaging unit        | 1             |

**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 |

**Electrical data | Supply**

|                 |              |
|-----------------|--------------|
| Power frequency | 50 ... 60 Hz |
|-----------------|--------------|

**Electrical data | Input**

|                                       |              |
|---------------------------------------|--------------|
| Fuse protection primary side internal | 10 A         |
| Characteristic back-up fuse           | Inertia      |
| Input voltage 1 AC                    | 100 V        |
| Input voltage 2 AC                    | 240 V        |
| Input voltage AC min.                 | 85 V         |
| Input voltage AC max.                 | 265 V        |
| Input voltage DC min.                 | 90 V         |
| Input voltage DC max.                 | 250 V        |
| Input current at input voltage 1 AC   | 5,1 A        |
| Input current at input voltage 2 AC   | 2,4 A        |
| Inrush current max.                   | 11 A @ 230 V |
| Efficiency                            | 95 %         |

#### Electrical data | Output

|                             |                  |
|-----------------------------|------------------|
| Output voltage DC           | 48 V             |
| Output voltage DC min.      | 48 V             |
| Output voltage DC max.      | 56 V             |
| Output voltage adjustable   | yes              |
| Output current              | 10 A             |
| Duration Power Boost min.   | 4 s              |
| Min. mains failure bridging | 30 ms @ 100 V AC |
| Power Boost                 | 150 %            |
| Ripple effective max.       | 50 mV            |
| Spikes (s-s) max.           | 200 mV           |

#### Device protection | Electrical

|                                     |      |
|-------------------------------------|------|
| Degree of protection (EN IEC 60529) | IP20 |
| Short-circuit protection output     | yes  |
| Overload protection output          | yes  |

#### Mechanical data | Mounting data

|                            |                                |
|----------------------------|--------------------------------|
| Mounting method            | geschnappt                     |
| Suitable for mounting type | Mounting rail TH35, (EN 60715) |
| Height                     | 123 mm                         |
| Width                      | 85 mm                          |
| Depth                      | 138 mm                         |

#### Environmental characteristics | Climatic

|                                    |                      |
|------------------------------------|----------------------|
| Operating temperature min.         | -40 °C               |
| Operating temperature max.         | 60 °C                |
| Storage temperature min.           | -40 °C               |
| Storage temperature max.           | 80 °C                |
| Relative humidity min. (operation) | 5 %                  |
| Relative humidity max. (operation) | 95 % no condensation |

#### Conformities, approvals

|                       |                          |
|-----------------------|--------------------------|
| Product standard      | IEC 61010-2-201          |
| SEMI F47              | compliant                |
| EMC                   | EN 55011 B, EN 61000-3-2 |
| Low Voltage Directive | EN 61204-3               |

#### Connection type 3

|                          |                           |
|--------------------------|---------------------------|
| 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                    | +                         |