

Emparro Power Supply 3-PHASE

IN: 360 - 500VAC OUT: 24-28V/10ADC

INPUT: 3× 324...572 V AC / 450...745 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      |
| GTIN                  | 4048879538558 |
| Packaging unit        | 1             |

Electrical data

|                                            |      |
|--------------------------------------------|------|
| Number of devices parallel connection max. | 3    |
| Number of devices series connection max.   | 3    |
| 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 | 6,3 A                                      |
| Characteristic back-up fuse           | Inertia                                    |
| Input voltage 1 AC                    | 360 V                                      |
| Input voltage 2 AC                    | 500 V                                      |
| Input voltage AC min.                 | 324 V                                      |
| Input voltage AC max.                 | 572 V                                      |
| Input voltage DC min.                 | 450 V                                      |
| Input voltage DC max.                 | 745 V                                      |
| Input current at input voltage 1 AC   | 0,75 A                                     |
| Input current at input voltage 2 AC   | 0,55 A                                     |
| Inrush current max.                   | 9 A @ 500 V                                |
| Phase number input                    | 3                                          |
| Efficiency                            | 93,7 % @ 3× 400 V AC, 93,2 % @ 3× 480 V AC |

**Electrical data | Output**

|                             |                     |
|-----------------------------|---------------------|
| Output voltage DC           | 24 V                |
| Output voltage DC min.      | 24 V                |
| Output voltage DC max.      | 28 V                |
| Output voltage adjustable   | yes                 |
| Output current              | 12 A                |
| Duration Power Boost min.   | 5 s                 |
| Mains failure bridging min. | 45 ms @ 3× 500 V AC |
| Power Boost                 | 150 %               |
| Ripple effective max.       | 20 mV               |
| Spikes (s-s) 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**

|                            |                                |
|----------------------------|--------------------------------|
| Mounting method            | geschnappt                     |
| Suitable for mounting type | Mounting rail TH35, (EN 60715) |
| Height                     | 143 mm                         |
| Width                      | 65 mm                          |
| Depth                      | 143 mm                         |

**Environmental characteristics | Climatic**

|                                    |                      |
|------------------------------------|----------------------|
| Operating temperature min.         | -40 °C               |
| Operating temperature max.         | 70 °C                |
| Derating from                      | 70 °C                |
| Storage temperature min.           | -40 °C               |
| Storage temperature max.           | 85 °C                |
| Relative humidity min. (operation) | 5 %                  |
| Relative humidity max. (operation) | 95 % no condensation |

**Approvals**

|          |           |
|----------|-----------|
| SEMI F47 | compliant |
|----------|-----------|

**Connection type 3**

|                          |                           |
|--------------------------|---------------------------|
| Connection type 1        | Alarm                     |
| Connection type 2        | Input                     |
| Connection type 3        | Input / 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             | 4                         |
| PIN 1                    | PE                        |
| PIN 2                    | L 1                       |
| PIN 3                    | L 2                       |
| PIN 4                    | L 3                       |
| 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                    | +                         |