

EMPARRO HD POWER SUPPLY 1-PHASE,

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

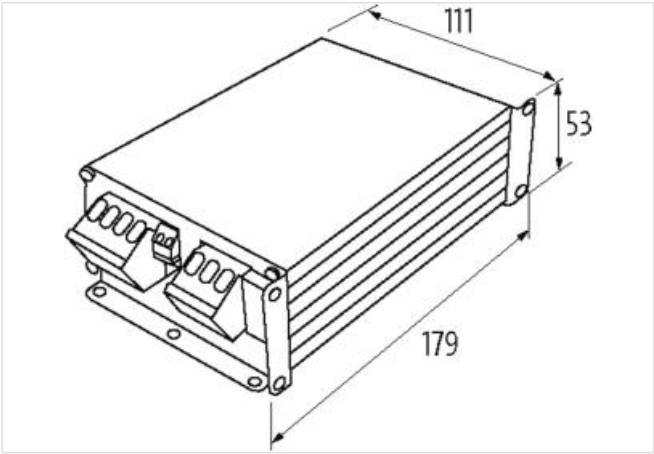
INPUT: 90...265 V AC/90...370 V DC  
OUTPUT: 24 V DC  
Current: 10 A  
Protection IP20  
rugged design

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                                       | 4048879641111 |
| Packaging unit                             | 1             |
| Electrical data                            |               |
| Number of devices parallel connection max. | 3             |
| 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 | 6,3 A                                |
| Characteristic back-up fuse           | Inertia                              |
| 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.                 | 370 V                                |
| Current input AC                      | 1,2 A                                |
| Inrush current max.                   | 7 A @ 240 V                          |
| Efficiency                            | 93,5 % @ 115 V AC, 94,2 % @ 230 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              | 10 A             |
| Duration Power Boost min.   | 5 s              |
| Mains failure bridging min. | 35 ms @ 100 V AC |
| Power Boost                 | 150 %            |
| Ripple effective max.       | 30 mV            |
| Spikes (s-s) max.           | 300 mV           |

#### Device protection | Electrical

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

#### Mechanical data | Mounting data

|                            |                       |
|----------------------------|-----------------------|
| Suitable for mounting type | 6 hole screw mounting |
| Height                     | 179 mm                |
| Width                      | 111 mm                |
| Depth                      | 53 mm                 |

#### Environmental characteristics | Climatic

|                                    |                      |
|------------------------------------|----------------------|
| Operating temperature min.         | -40 °C               |
| Operating temperature max.         | 80 °C                |
| Derating from                      | 50 °C                |
| Storage temperature min.           | -40 °C               |
| Storage temperature max.           | 85 °C                |
| Relative humidity min. (operation) | 5 %                  |
| Relative humidity max. (operation) | 95 % no condensation |

#### Technical Data | Reliability

|      |           |
|------|-----------|
| MTBF | 1000000 h |
|------|-----------|

#### 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 DC -                    |
| PIN 3                    | L DC +                    |
| 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                    | -                         |