

EVOLUTION+ POWER SUPPLY 3-PHASE,

Alarm Contact and varnished PCB

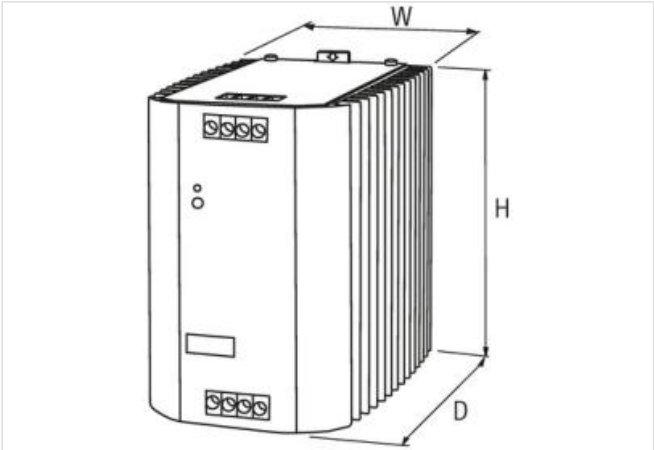
INPUT: 3× 360...520 V AC / 480...745 V DC  
OUTPUT: 48...56 V DC  
Current: 5 A

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                                       | 4048879387125 |
| Packaging unit                             | 1             |
| Electrical data                            |               |
| Number of devices parallel connection max. | 5             |
| Parallel connection                        | yes           |
| Series connection                          | no            |
| Security level                             | SELV          |
| Electrical data   Supply                   |               |
| Power frequency                            | 50 ... 60 Hz  |
| Electrical data   Input                    |               |
| Input voltage AC min.                      | 324 V         |

|                                      |                                            |
|--------------------------------------|--------------------------------------------|
| Input voltage AC max.                | 572 V                                      |
| Input voltage DC min.                | 480 V                                      |
| Input voltage DC max.                | 745 V                                      |
| Input current AC (3-phase)           | 0,8 A                                      |
| Inrush current max.                  | 9 A                                        |
| External back-up fuse per phase max. | 20 A                                       |
| Phase number input                   | 3                                          |
| Efficiency                           | 91,3 % @ 3× 360 V AC, 90,5 % @ 3× 520 V AC |

**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              | 5 A              |
| Duration Power Boost min.   | 4 s              |
| Mains failure bridging min. | 17 ms @ 400 V AC |
| Power Boost                 | 150 %            |
| Ripple effective max.       | 50 mV            |
| Spikes (s-s) max.           | 100 mV           |

**Diagnostics**

|                            |                 |
|----------------------------|-----------------|
| Alarm contact              | yes             |
| Alarm contact message type | group alarm     |
| Alarm contact triggers @   | 30 V DC / 0.1 A |

**Device protection | Electrical**

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

**Mechanical data | Material data**

|                      |     |
|----------------------|-----|
| Conformal coated PCB | yes |
|----------------------|-----|

**Mechanical data | Mounting data**

|                            |                                |
|----------------------------|--------------------------------|
| Mounting method            | geschnappt                     |
| Suitable for mounting type | Mounting rail TH35, (EN 60715) |
| Height                     | 132 mm                         |
| Width                      | 93 mm                          |
| Depth                      | 114 mm                         |

**Environmental characteristics | Climatic**

|                                    |                      |
|------------------------------------|----------------------|
| Operating temperature min.         | -25 °C               |
| Operating temperature max.         | 70 °C                |
| Derating from                      | 55 °C                |
| Storage temperature min.           | -40 °C               |
| Storage temperature max.           | 85 °C                |
| Relative humidity min. (operation) | 5 %                  |
| Relative humidity max. (operation) | 95 % no condensation |

**Connection type 2**

|                          |                    |
|--------------------------|--------------------|
| Connection               | Screw terminals SK |
| 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               | Screw terminals SK |
| Family construction form | terminal           |
| Gender                   | female             |
| Color contact carrier    | green              |
| No. of poles             | 4                  |
| PIN 1                    | +                  |
| PIN 2                    | +                  |
| PIN 3                    | -                  |
| PIN 4                    | -                  |