

EVOLUTION+ POWER SUPPLY 3-PHASE,

IN: 360-520VAC OUT: 22-28V/20ADC

INPUT: 3× 360...520 V AC / 480...745 V DC  
OUTPUT: 22...28 V DC  
Current: 20 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                  | 4048879326957 |
| 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

|                                      |                                        |
|--------------------------------------|----------------------------------------|
| 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)           | 1,3 A                                  |
| Inrush current max.                  | 19 A                                   |
| External back-up fuse per phase max. | 20 A                                   |
| Phase number input                   | 3                                      |
| Efficiency                           | 90 % @ 3× 400 V AC, 89 % @ 3× 520 V AC |

#### Electrical data | Output

|                             |                  |
|-----------------------------|------------------|
| Output voltage DC           | 24 V             |
| Output voltage DC min.      | 22 V             |
| Output voltage DC max.      | 28 V             |
| Output voltage adjustable   | yes              |
| Output current              | 20 A             |
| Duration Power Boost min.   | 4 s              |
| Mains failure bridging min. | 19 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 |

#### Installation | Connection

|            |                    |
|------------|--------------------|
| Connection | Screw terminals SK |
|------------|--------------------|

#### 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                      | 113 mm                         |
| Depth                      | 136 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 |

#### Approvals

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