

Emparro IP67 Power Supply 1-Phase

OUT: 24VDC 10A - M12L 5P - PELV

Emparro®67 Hybrid  
2× MICO M12 IOL  
M12 (female) 5-pole, L-coded  
Current: 10 A  
INPUT: 90...265 V AC/90...265 V DC  
OUTPUT: 24...28 V DC  
Preventive Diagnostic  
Over current protection device  
controllable via IO-Link

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                  | 4048879844413 |
| Packaging unit        | 1             |
| Electrical data       |               |
| Parallel connection   | no            |
| Series connection     | no            |
| Security level        | PELV          |

|                                                 |                                                  |
|-------------------------------------------------|--------------------------------------------------|
| <b>Electrical data   Supply</b>                 |                                                  |
| Power frequency                                 | 50 ... 60 Hz                                     |
| <b>Electrical data   Input</b>                  |                                                  |
| 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.                           | 265 V                                            |
| Current input AC                                | 1,2 A                                            |
| Inrush current max.                             | 5,9 A @ 230 V                                    |
| Efficiency                                      | 91,6 % @ 115 V AC, 92,8 % @ 230 V AC             |
| <b>Electrical data   Output</b>                 |                                                  |
| Number of output channels                       | 2                                                |
| Output voltage DC                               | 24 V                                             |
| Output voltage DC min.                          | 24 V                                             |
| Output voltage DC max.                          | 28 V                                             |
| Output voltage adjustable                       | yes                                              |
| Output current per channel max.                 | 8 A                                              |
| Output current max.                             | 10 A                                             |
| Mains failure bridging min.                     | 20 ms @ 230 V AC                                 |
| Ripple effective max.                           | 10 mV                                            |
| Spikes (s-s) max.                               | 150 mV                                           |
| <b>Device protection   Electrical</b>           |                                                  |
| Degree of protection (EN IEC 60529)             | IP67                                             |
| Overload protection output                      | yes                                              |
| Short-circuit protection output                 | yes                                              |
| Overtemperature protection output               | yes                                              |
| <b>Mechanical data   Mounting data</b>          |                                                  |
| Suitable for mounting type                      | 6 hole screw mounting                            |
| Height                                          | 216 mm                                           |
| Width                                           | 110 mm                                           |
| Depth                                           | 53 mm                                            |
| <b>Environmental characteristics   Climatic</b> |                                                  |
| Operating temperature min.                      | -25 °C                                           |
| Operating temperature max.                      | 80 °C                                            |
| Derating from                                   | 50 °C                                            |
| Storage temperature min.                        | -25 °C                                           |
| Storage temperature max.                        | 85 °C                                            |
| Relative humidity min. (operation)              | 4 %                                              |
| Relative humidity max. (operation)              | 100 %                                            |
| <b>Technical Data   Reliability</b>             |                                                  |
| MTBF                                            | 610000 h, EN IEC 61709, SN 29500, EN ISO 13849-1 |
| Additional condition MTTF, MTBF                 | 40 °C                                            |
| <b>Conformity</b>                               |                                                  |
| Product standard                                | IEC 61010-2-201                                  |
| EMC                                             | EN 55022 B, EN 61000-3-2                         |
| Low Voltage Directive                           | EN 61204-3                                       |
| <b>Connection type 2</b>                        |                                                  |
| Connection type 1                               | Output                                           |

|                          |                    |
|--------------------------|--------------------|
| Connection type 2        | Signal             |
| Family construction form | M12                |
| Gender                   | female             |
| Color contact carrier    | black              |
| Coding                   | L                  |
| No. of poles             | 5                  |
| PIN 1                    | 24 V DC (Out 1)    |
| PIN 2                    | 0 V PE             |
| PIN 3                    | 0 V PE             |
| PIN 4                    | 24 V DC (Out 2)    |
| PIN 5                    | PE                 |
| Family construction form | M12                |
| Gender                   | male               |
| Color contact carrier    | black              |
| Coding                   | A                  |
| No. of poles             | 4                  |
| PIN 1                    | L + (24 V DC) (In) |
| PIN 2                    | DI / DO (I / Q)    |
| PIN 3                    | L - (0 V)          |
| PIN 4                    | IO-Link (C / Q)    |