

Emparro IP67 Power Supply 1-Phase

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

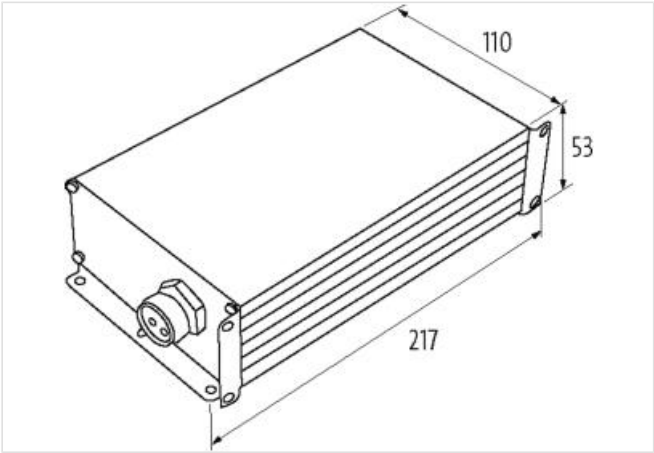
Emparro®67 Hybrid  
2× MICO M12 IOL  
M12 (female) 5-pole, L-coded  
Current: 10 A  
INPUT: 90...265 V AC/90...265 V DC  
OUTPUT: 24...28 V DC  
Preventive Diagnostic  
Over current protection device  
controllable via IO-Link

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                  | 4048879798433 |
| Packaging unit        | 1             |
| Electrical data       |               |
| Parallel connection   | no            |
| Series connection     | no            |
| 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.                 | 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 |

**Electrical data | Output**

|                                 |                  |
|---------------------------------|------------------|
| 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           |

**Device protection | Electrical**

|                                     |      |
|-------------------------------------|------|
| Degree of protection (EN IEC 60529) | IP67 |
| Overload protection output          | yes  |
| Short-circuit protection output     | yes  |
| Overtemperature protection output   | yes  |

**Mechanical data | Mounting data**

|                            |                       |
|----------------------------|-----------------------|
| Suitable for mounting type | 6 hole screw mounting |
| Height                     | 216 mm                |
| Width                      | 110 mm                |
| Depth                      | 53 mm                 |

**Environmental characteristics | Climatic**

|                                    |        |
|------------------------------------|--------|
| 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 %  |

**Technical Data | Reliability**

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| MTBF                            | 431000 h, EN IEC 61709, SN 29500, EN ISO 13849-1 |
| Additional condition MTTF, MTBF | 40 °C                                            |

**Conformity**

|                       |                          |
|-----------------------|--------------------------|
| Product standard      | IEC 61010-2-201          |
| EMC                   | EN 55022 B, EN 61000-3-2 |
| Low Voltage Directive | EN 61204-3               |

**Connection type 2**

|                   |        |
|-------------------|--------|
| 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 (Out 2)        |
| PIN 3                    | 0 V (Out 1)        |
| 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)    |