

## POWER SUPPLY 1-PHASE, 12 V DC MINILINE SERIES

ML30.106  
PULS PSU 30W +/-12-15VDC

- Output current of 2.5 A or 4.2 A
- High efficiency
- Space-saving
- Manages high starting/overload currents
- Spring connection



### PRODUCT DESCRIPTION

Puls series Miniline is characterised by compact dimensions, reliability and long lifetime with high efficiency, which entails low energy loss and low temperatures in the switch cabinet. The power supply units are just 45 mm wide and feature spring connection, which means faster installation. For more technical information, consult the **general information** at the beginning of the power supply section.

### SPECIFICATIONS

|                                              |            |
|----------------------------------------------|------------|
| Input voltage range                          | Wide-range |
| Number of phases                             | 1          |
| Input voltage AC                             | 100-240 V  |
| Input voltage ac min                         | 85 V AC    |
| Input voltage ac max                         | 264 V AC   |
| Input voltage DC                             | 110-300 V  |
| Input voltage dc min                         | 85 V DC    |
| Input voltage dc max                         | 375 V DC   |
| Inrush current at 120 V ac typical           | 17 A       |
| Inrush current at 230 V ac typical           | 35 A       |
| Power Factor at 120 V AC, full load. Typical | 0,53       |
| Power Factor at 230 V AC, full load. Typical | 0,53       |
| Supply Frequency                             | 50-60 ±6 % |

|                                                 |                                  |
|-------------------------------------------------|----------------------------------|
| Power Consumption At 120 V AC                   | 0,65 A                           |
| Power Consumption At 230 V AC                   | 0,4 A                            |
| Type Power Supply                               | AC-DC                            |
| Output voltage                                  | 12 V DC                          |
| Output voltage min                              | 12 V DC                          |
| Output voltage max                              | 15 V DC                          |
| Output Current                                  | 2,5 A                            |
| Effect                                          | 30 W                             |
| Power Reduction Of 60 To 70 ° C                 | 1 W/°C                           |
| Ripple. max                                     | 50 mV pp                         |
| Temperature Range Without Derating From         | -10 °C                           |
| Temperature Range Without Derating To           | 60 °C                            |
| Efficiency At 230 V AC, full load. Typical      | 86 %                             |
| MTBF (IEC 61709) 230 V AC, Maximum Load, 40 ° C | 600000 h                         |
| Width                                           | 45 mm                            |
| Height                                          | 75 mm                            |
| Depth                                           | 91 mm                            |
| Weight                                          | 0,24 kg                          |
| Clamp type                                      | Spring-clamp                     |
| Series                                          | Miniline                         |
| Approvals                                       | CB, CE, CSA, GL, NEC Class 2, UL |
| Material Protection                             | ABS plastic                      |
| Hold-up time at 120 V AC, full load. Typical.   | 18 ms                            |
| Hold-up time at 230 V AC, full load. Typical.   | 180 ms                           |
| IP Class                                        | IP20                             |
| Active Transient                                | Yes                              |



