

## POWER SUPPLY 1-PHASE, MINILINE SERIES 1

ML30.101

PSU 100-240V ac I/P 5V dc 5A 25W O/P

- Output current of 1 A or 7.5 A
- High efficiency
- Space-saving
- Manages high starting/overload currents
- 5 V - 48 V DC



### 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.

## TECHNICAL DATA

### INPUT DATA

|                                              |            |
|----------------------------------------------|------------|
| 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                         | 370 V DC   |
| Inrush current at 120 V ac typical           | 17 A       |
| Inrush current at 230 V ac typical           | 35 A       |
| Input voltage range                          | Wide-range |
| Power factor at 120 V ac, full load. Typical | 0,51       |
| Power factor at 230 V ac, full load. Typical | 0,44       |
| Number of phases                             | 1          |

**OUTPUT DATA**

|                    |          |
|--------------------|----------|
| Output voltage     | 5 V DC   |
| Output voltage min | 5 V DC   |
| Output voltage max | 5,5 V DC |
| Output current     | 5 A      |
| Power              | 25 W     |

**EFFICIENCY / LIFETIME / MTBF**

|                                             |           |
|---------------------------------------------|-----------|
| Efficiency at 230 V ac, full load, typical  | 80 %      |
| MTBF (IEC 61709) 230 V ac, max load, 40 ° C | 1963000 h |

**DIMENSIONS**

|        |         |
|--------|---------|
| Width  | 45 mm   |
| Height | 75 mm   |
| Depth  | 91 mm   |
| Weight | 0,24 kg |

**OTHER**

|                                          |                                  |
|------------------------------------------|----------------------------------|
| Approvals                                | CB, CE, CSA, GL, NEC Class 2, UL |
| Hold time at 120 V ac, typical full load | 22 ms                            |
| Hold time at 230 V ac, typical full load | 170 ms                           |
| IP class                                 | IP20                             |
| Clamp type                               | Spring-clamp                     |
| Material protection                      | ABS plastic                      |
| Supply frequency                         | 50-60 ±6 %                       |
| Ripple max                               | 50 mV pp                         |
| Series                                   | Miniline                         |
| Power consumption 120 V ac               | 0,6 A                            |
| Power consumption 230 V ac               | 0,35 A                           |
| Power drop from +60 °C to + 70 °C        | 0,5 W/°C                         |
| Temperature min without derating         | -10 °C                           |
| Temperature max without derating         | 60 °C                            |
| Type Power Supply                        | AC-DC                            |

