
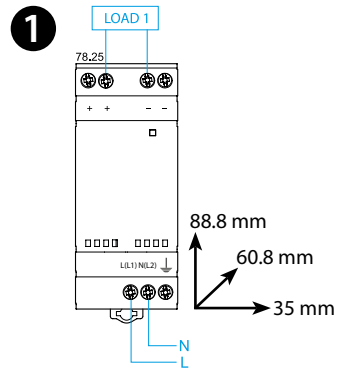
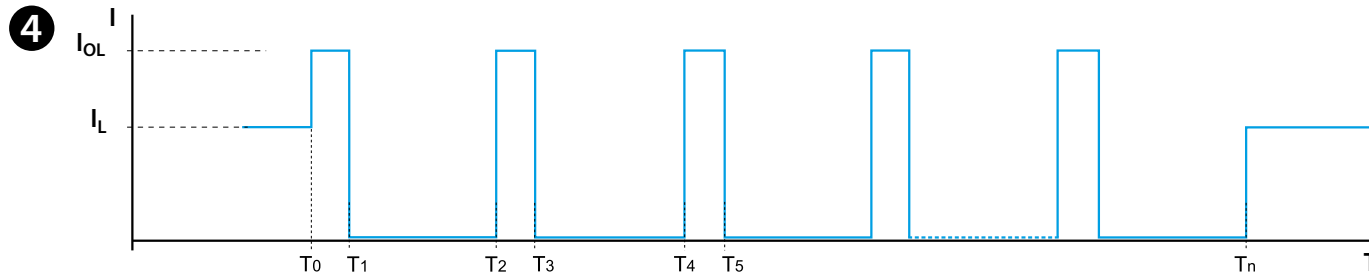
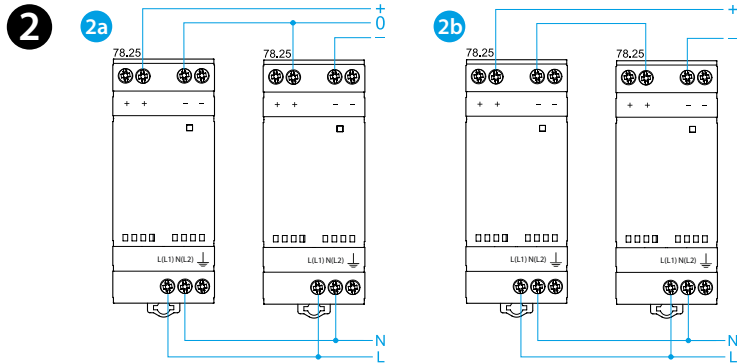




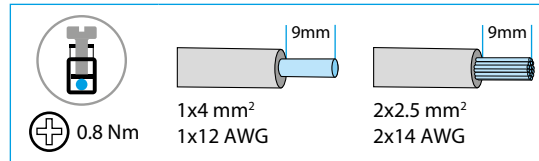


78.25

78.25.1.230.xx00	
<b>IN</b>	$U_N$ (110...240)V AC (50/60Hz) $U_{min} - U_{max}$ (100-265)V AC ( $I_{OUT} = I_N$ ) $U_{min} - U_{max}$ (88 - 100)V AC ( $I_{OUT} = 80\% I_N$ ) $U_N$ 220 V DC $U_{min} - U_{max}$ (140-370)V DC $P < 0.5 W$ (0.3 W 78-1200)
<b>OUT</b> (78.25-1200)	2.1 A (max 4 A - 3 ms) 12VDC, 25 W [(-20...+40)°C, IN 230VAC] 1 A (max 4 A - 3 ms) 12VDC, 25 W [50°C, IN (100...265)VAC - (140...370)VDC]
<b>OUT</b> (78.25-2400)	1 A (max 3 A - 3 ms) 24VDC, 25 W [(-20...+40)°C, IN 230V AC] 0.75 A (max 3 A - 3 ms) 24V DC, 25 W [50°C, IN (100...265)VAC - (140...370)VDC]
	(-20...+60)°C
IP20	



78	$U_N$	LED
OK	✓	
Sh	✓	
ThL	✓	OFF



# ENGLISH

## 78.25 SWITCH MODE POWER SUPPLY

- 1 WIRING DIAGRAM
- 2 WIRING DIAGRAM EXAMPLES
  - 2a Dual connection
  - 2b Series connection
- 3 LED
  - $U_N$  AC/DC Supply
  - Sh Short circuit
  - ThL Thermal limit
- 4 Hiccup mode (short circuit protection)
  - $I_{OL}$  - Overload current
  - $I_L$  - Load current

Under normal conditions, the 78 Series Power Supply supplies the current required by the load ( $I_L$ ). However, under abnormal conditions ( $I_{OL}$ ) such as a short circuit or heavy overload ( $T_0$ ) the output voltage will be rapidly reduced to zero followed by the current ( $T_1$ ). After approximately 2 seconds ( $T_1$  to  $T_2$ ), the power supply checks for the persistence of the anomaly over the time period  $T_2$  to  $T_3$  (30 to 100ms-dependent on the type of anomaly). If the anomaly persists, as shown above, the current is again reset to 0 A for a further 2s ( $T_3$  to  $T_4$ ). This "hiccup" process is repeated until the anomaly is removed ( $T_n$ ), whereon the power supply then returns to normal working.

**NOTE**  
 Efficiency (@230VAC) 89%  
 Conducted and radiated emissions: class B (EN 55022)  
 Thermal protection: internal, with  $V_{out}$  shutdown  
 Start-up delay: <1s  
**The product can be used without particular wiring requirements, but, to ensure compliance with EN 61204-3: 2019, the length of the connection cables between the output terminals and the load must not exceed 30 m**