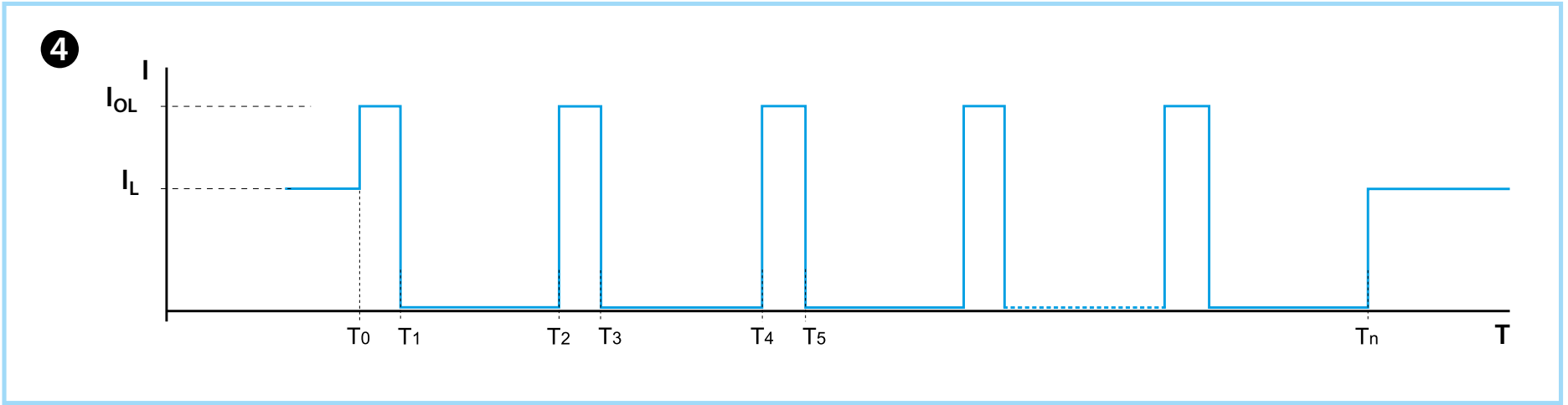
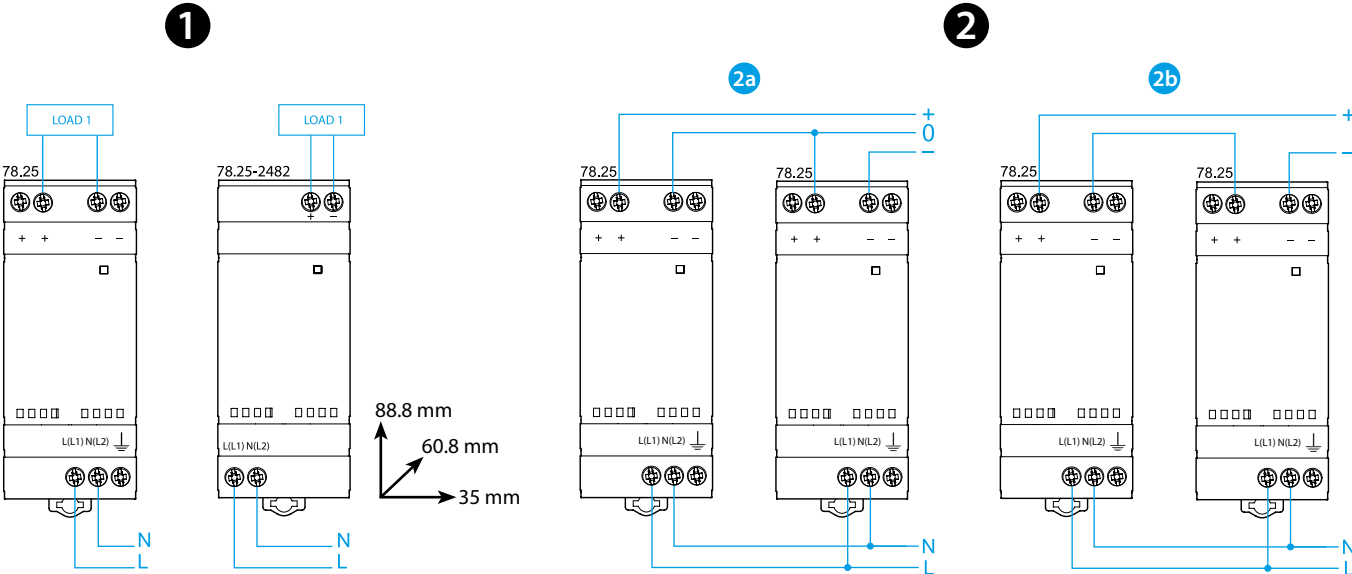




78.25

IN	78.25-xx00	U_N (110...240)V AC (50/60 Hz) $U_{min} - U_{max}$ (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)
	78.25-2482	$U_{min} - U_{max}$ (100-250)V AC ($I_{OUT} = I_N$) U_N 220 V DC $U_{min} - U_{max}$ (140-350)V DC $P < 0.5 W$
OUT	78.25-1200	2.1 A (max 4 A - 3 ms) 12VDC, 25 W [(-20...+40)°C, IN 230 VAC] 1 A (max 4 A - 3 ms) 12VDC, 25 W [50°C, IN (100...265) VAC - (140...370) VDC]
	78.25-2400	1 A (max 3 A - 3 ms) 24VDC, 25 W [(-20...+40)°C, IN 230 VAC] 0.75 A (max 3 A - 3 ms) 24VDC, 25 W [50°C, IN (100...265) VAC - (140...370) VDC]
	78.25-2482	1 A (max 3 A - 3 ms) 24VDC, 25 W [(-20...+50(Pn)...+70(derating))°C, VIN 230 VAC] 0.8 A (max 3 A - 3 ms) 24VDC, 25 W [70°C, VIN (100...250) VAC - (140...350) VDC]
	78.25-xx00	(-20...+60)°C
	78.25-2482	(-20...+70)°C
IP20		



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 Vout 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