



78.25

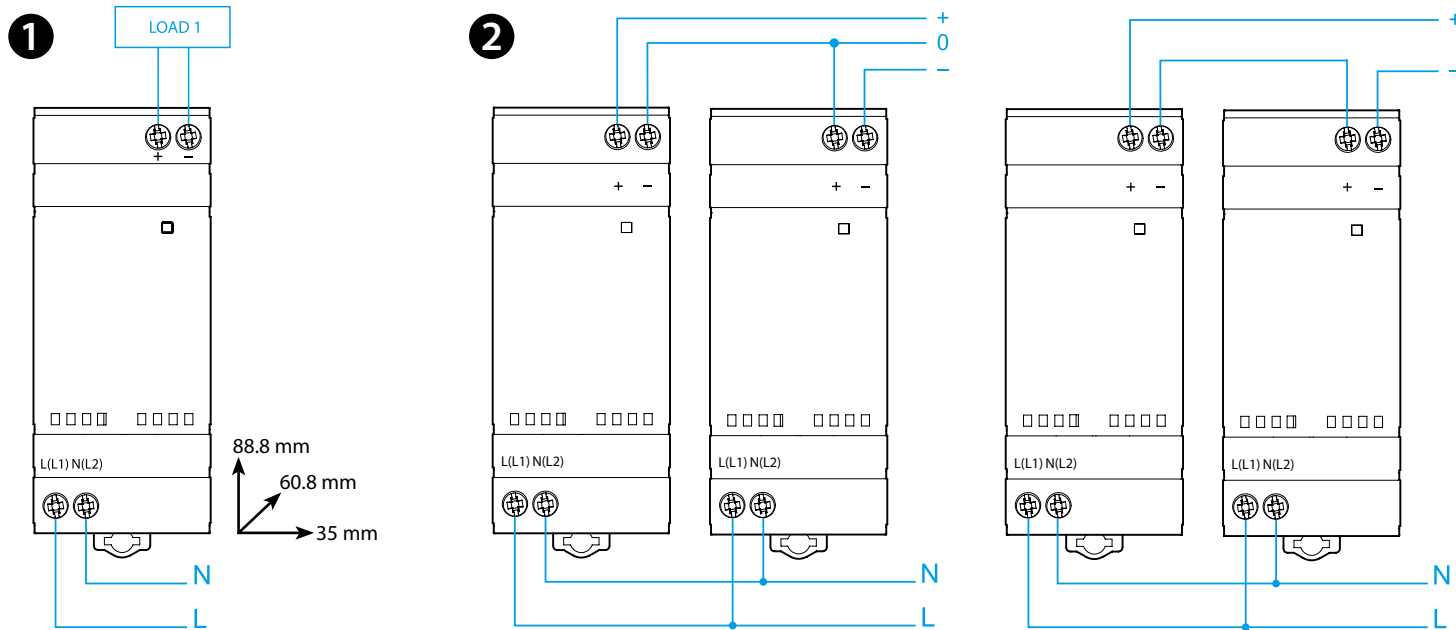
IN	78.25	U_N (110...240)V AC (50/60 Hz) $U_{min} - U_{max}$ (99...264)V AC $P < 28$ W
OUT	78.25-12xx (xx can be 02; 82)	2.1 A 12 V DC, 25 W [(-20...+50)°C] 1.8 A (@60°C) 1.6 A (@70°C)
	78.25-24xx (xx can be 02; 82)	1 A 24 V DC, 25 W [(-20...+50)°C] 0.9 A (@60°C) 0.8 A (@70°C)
	78.25-xxxx	(-20...+70 derating)°C (5...95%) RH
IP20, Open type, DIN Rail mounting		

 0.5 Nm 4.5 Lb-in	78.25-xxxx	
	 (1x4/2x2.5) mm ² (1x12/2x14) AWG	 (1x4/2x2.5) mm ² (1x12/2x14) AWG

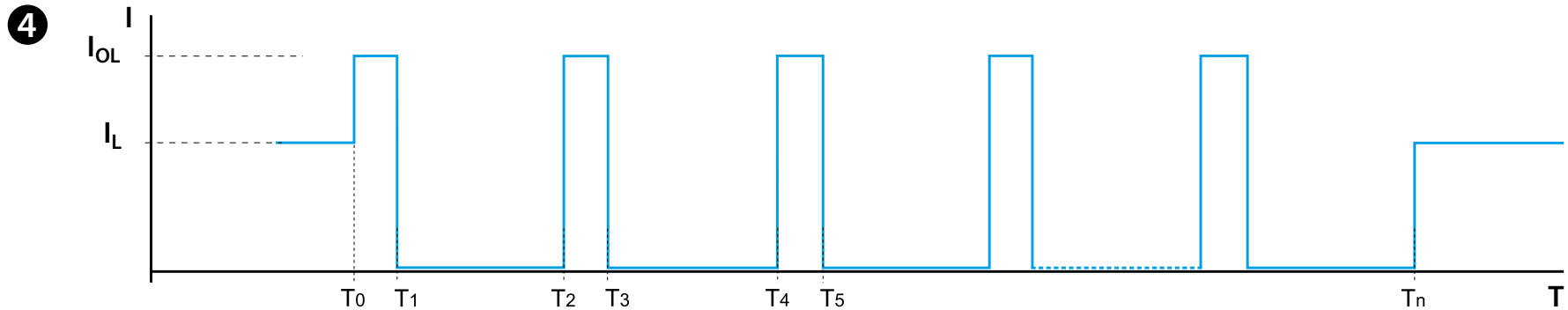


Installation Environmental Conditions
- Pollution degree 2; Overvoltage category II
- Connections to the supply: Permanent
- Maximum Surrounding Air Temperature 40°C
- Use 90°C Cu / CCA / Al-Cu / Cu-Al conductor and wire ranges No. 14-20 AWG, stranded or solid

Utility Model - IB7825VXX - 11/25 - Finder S.p.A. con unico socio - 10040 ALMESE (TO) - ITALY



78	U_N	LED
OK	✓	
Sh	✓	
ThL	✓	OFF



ENGLISH

78.25 SWITCH MODE POWER SUPPLY

1 WIRING DIAGRAM

78.25-12xx
78.25-24xx

2 LED

U_N AC/DC Supply
Sh Short circuit
ThL Thermal limit

3 WIRING DIAGRAM EXAMPLES

3a Dual connection

3b Series connection

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

78.25 for DIN rail power supply.

It's necessary to guarantee the air movement from bottom to the top. Efficiency (@230V AC) 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.

If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

Risk of electrical shock and energy hazard. All failure should be examined by a qualified technician.

Please do not remove the case of the power supply by yourself.

