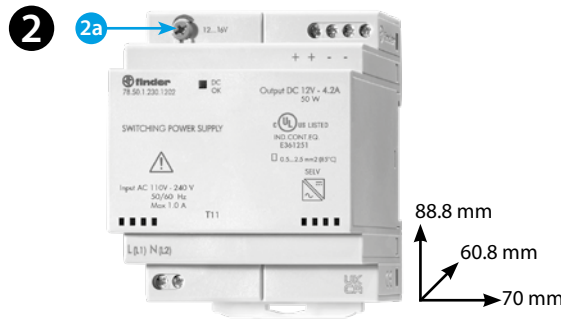
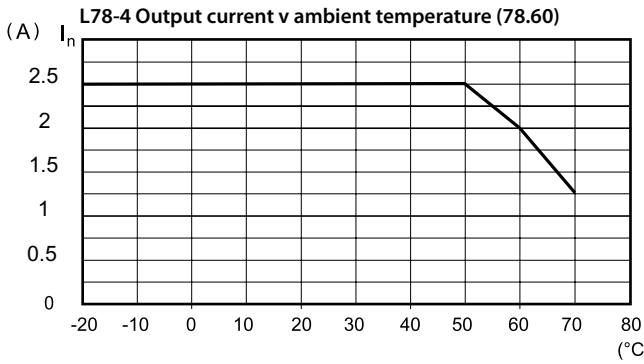
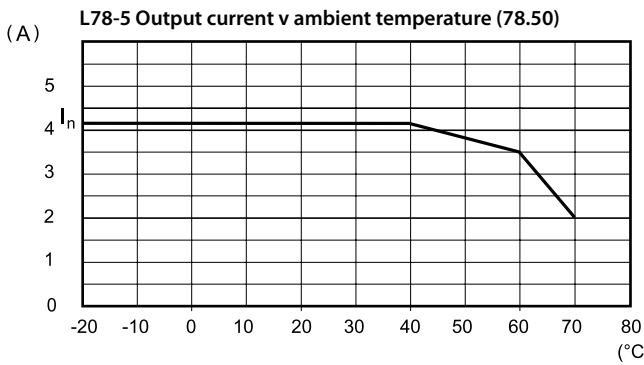
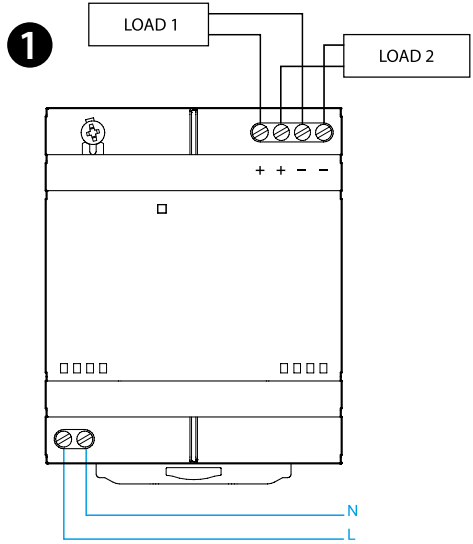


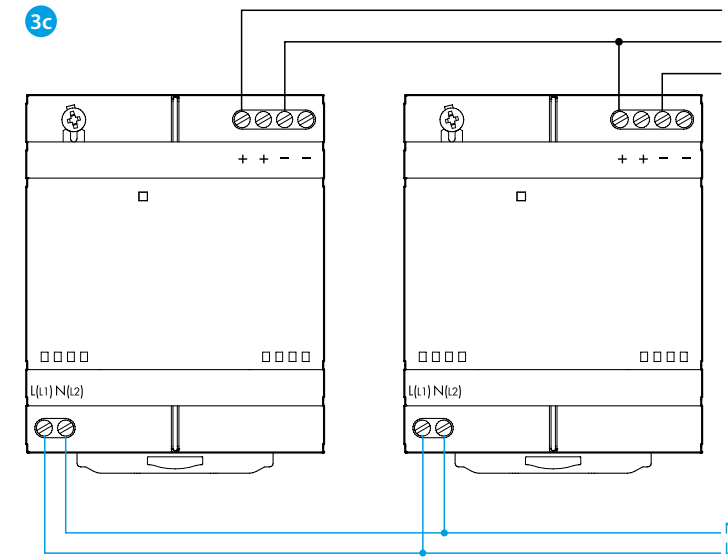
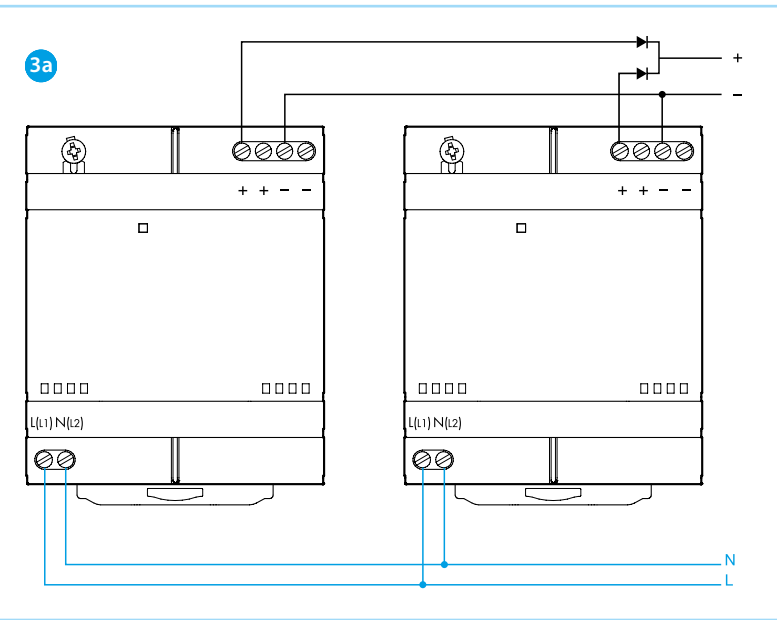


78.50/60

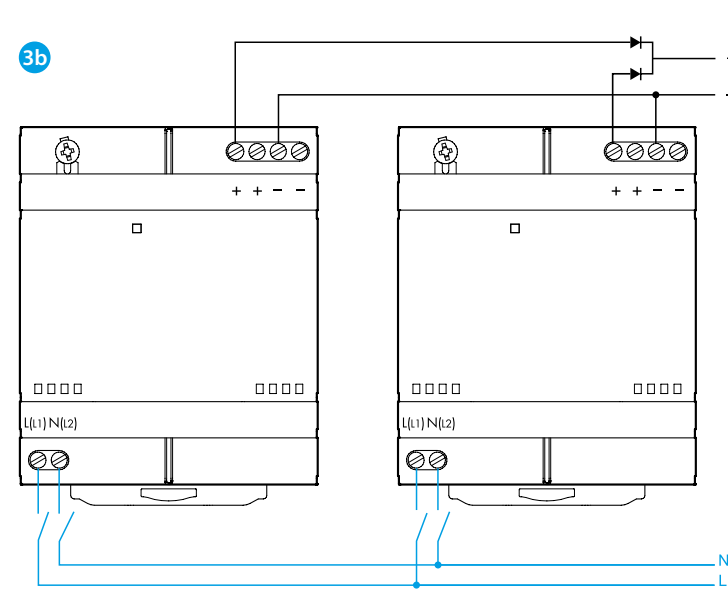
IN	78.xx.1.230.xxxx U_N 110...240 V AC - 50/60 Hz - ($U_{min}/max \pm 10\% U_N$) I_{MAX} 1.0 A (78.50) - I_{MAX} 1.2 A (78.60) U_N 220 V DC* $U_{min} - U_{max}$ (140-370) V DC
OUT SELV (EN 60950)	78.50.1.230.1202 - [IN (100...265) V AC - (+40)°C] 4.2 A (max 8.4 A - 5 ms) 12 V DC, 50 W 78.60.1.230.2402 - [IN (100...265) V AC - (+40)°C] 2.5 A (max 5 A - 5 ms) 24 V DC, 60 W (78.60)
	-20...+70 °C
IP20* - DIN rail mounting	
Overvoltage category II - Pollution Degree 2	



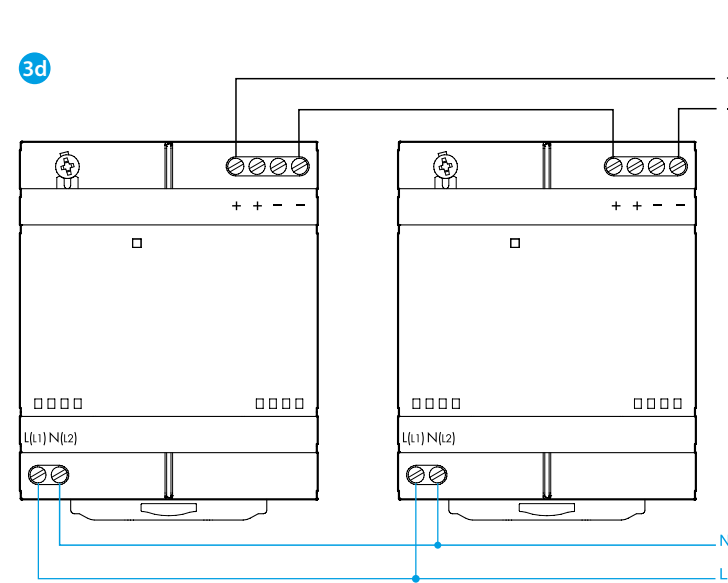
3



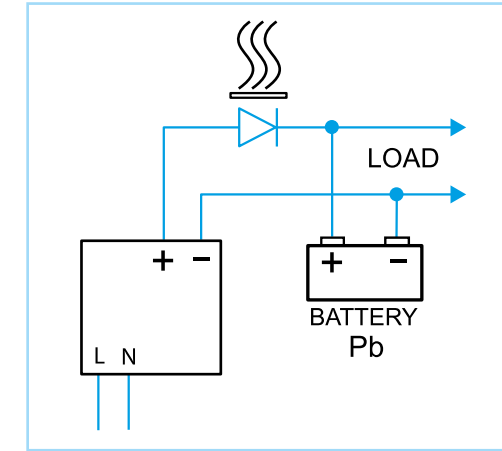
3b



3d

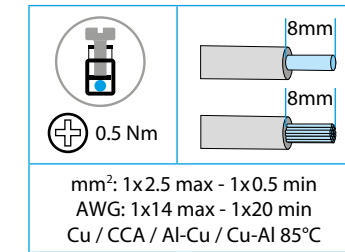


4*



5

78	U	LED
OK	✓	
Sh	✓	
ThL	✓	OFF



*NOT UL EVALUATED

ENGLISH

SWITCH MODE POWER SUPPLIES

1 CONNECTIONS

2 FRONT VIEW

2a Output voltage regulator (78.50/60)

3 WIRING DIAGRAM EXAMPLES

3a Automatic redundancy ($I \leq 2 \times I_N$) (78.50/60)

3b Manual redundancy ($I \leq I_N$)

3c Dual connection-for a Bipolar supply (+24/-24; +12/-12)

3d Series connection-for increased output voltage

NOTE

- The output voltage regulation has to be done preferably with a load connected. The voltage regulation must be done slowly (78.50/60)

- 78.50: V_{OUT} 12...16 DC

- 78.60: V_{OUT} 24...28 DC

- 78.50: efficiency (@230 V AC) 90%

- 78.60: efficiency (@230 V AC) 91%

- 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

Fold-back mode (78.50/60)

If connected as wiring diagram 3a, two parallel connected power supplies can deliver up to:

110 W / 8.4 A (2x78.50)

125 W / 5 A (2x78.60)

In case of moderate overload, the fold-back characteristic reduces the nominal output voltage without the power supply entering its full protection mode.

When the overload is removed the power supply returns to its normal operating mode.

4 The fold-back characteristic allows the 78.50 and the 78.60 to be used as a battery charger, in particular for charging lead batteries in the range 7...24 Ah.

It is suggested to connect a diode between the power supply Output + (diode Anode) and to the Battery + (diode Cathode) - if not already integral with the battery.

5 LED

U AC/DC Supply

Sh Short circuit

ThL Thermal limit

NOTE

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

