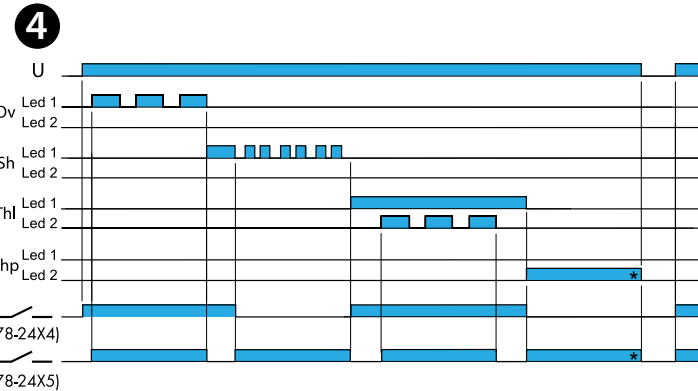
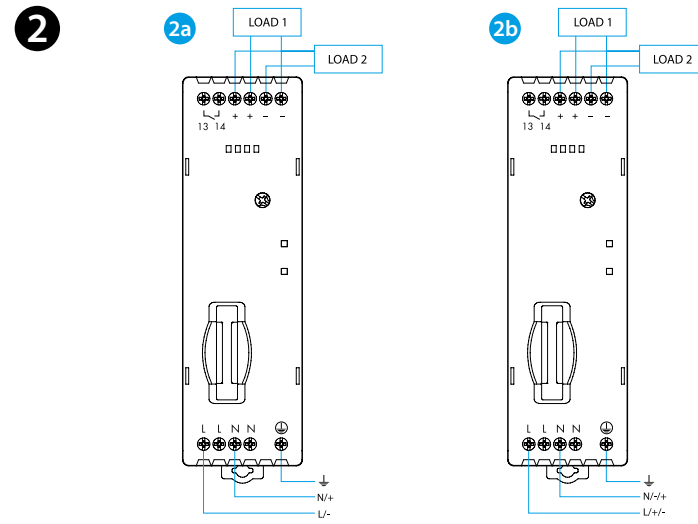
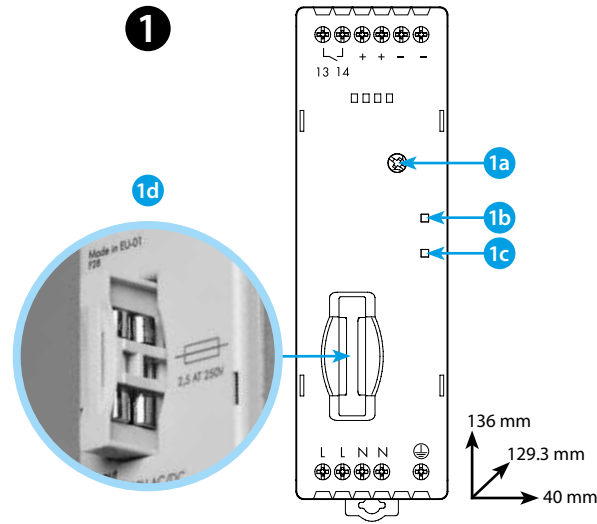
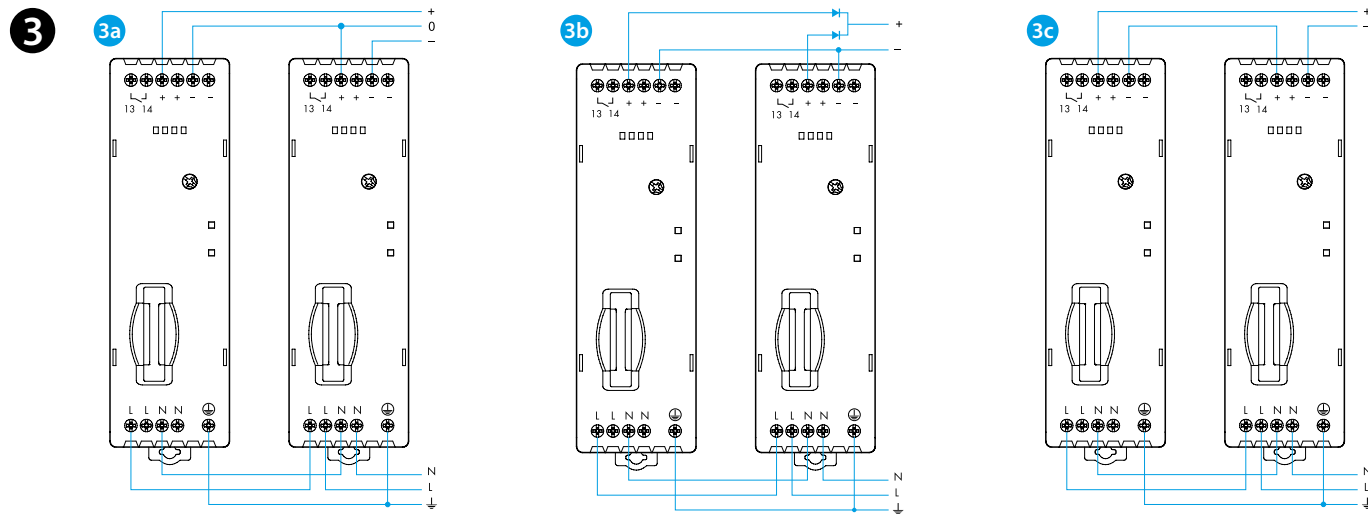
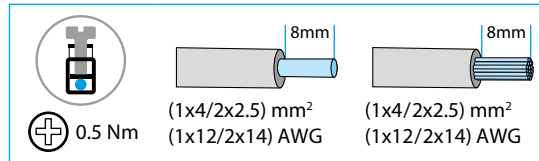




78.1C

78.1D

IN	<b>78.1C.1.230.240x</b> U <sub>N</sub> (120...240)V AC (50/60 Hz) U <sub>N</sub> 220 V DC U <sub>min</sub> - U <sub>max</sub> 110-265 V AC (50/60 Hz) U <sub>min</sub> - U <sub>max</sub> 155-275 V DC P < 2.1 W (@230 V AC)	<b>78.1D.1.230.241x</b> U <sub>N</sub> (110...240)V AC (50/60 Hz) / DC U <sub>min</sub> - U <sub>max</sub> 88-265 V AC (50/60 Hz) U <sub>min</sub> - U <sub>max</sub> 95-275 V DC P < 3.3 W (@ 230 V AC)
	- [IN (100...265)V, 50°C] 5 A (max 15 A - 5 ms), 24 V DC, 120 W - [IN 230 V AC, (-20...+40)°C] 5.4 A (max 15 A - 5 ms) 24 V DC, 130 W	I <sub>out</sub> 5.4 A (max 10 A - 5 ms) 24 V DC P <sub>out</sub> 130 W
OUT		
	(-20...+70)°C	(-20...+70)°C
	IP20	IP20



IND. CONT. EQ  
E361251

Installation Environmental Conditions  
- Open Type Equipment - Pollution Degree-2 Installation Environment  
- Maximum Surrounding Air Temperature 40°C  
- Use 60°C/75°C copper (CU) conductor and wire ranges No. 14-18 AWG, stranded or solid  
- The terminal tightening torque of 0.5 Nm

78.1x SWITCH MODE POWER SUPPLIES

- 1 DIMENSIONS / FRONT VIEW  
1a Nominal output voltage 24 V DC adjustable between 24 and 28 V  
1b Green LED: Indication of output status  
1c Red LED: Thermal protection with warning and alarm  
1d Fuse protection of input supply (2.5 A-T plus spare)

- 2 WIRING DIAGRAM (examples)  
2a 78.1C AC/DC supply wiring  
2b 78.1D AC/DC supply wiring

- 3 WIRING DIAGRAM EXAMPLES  
3a Dual connection - for a Bipolar supply  
3b Automatic redundancy  
3c Series connection - for increased output voltage

NOTE  
- Efficiency: ≥ 89% @ 230 V AC (78.1D)  
- Efficiency: ≥ 90% @ 230 V AC (78.1C)  
- Automatic short circuit protection  
- Thermal protection with warning and alarm, via LED and auxiliary contact  
- Two-stage power conversion with active PFC (Power Factor Correction) - (78.1D)

- 4 LED INDICATION AND FUNCTION  
U = AC/DC Supply  
Ov = Overload  
Sh = Short circuit  
Thl = Thermal limit  
Thp = Thermal protection \*(to reset, remove the supply)  
Led1 (1b) = LED Green  
Led2 (1c) = LEDRed