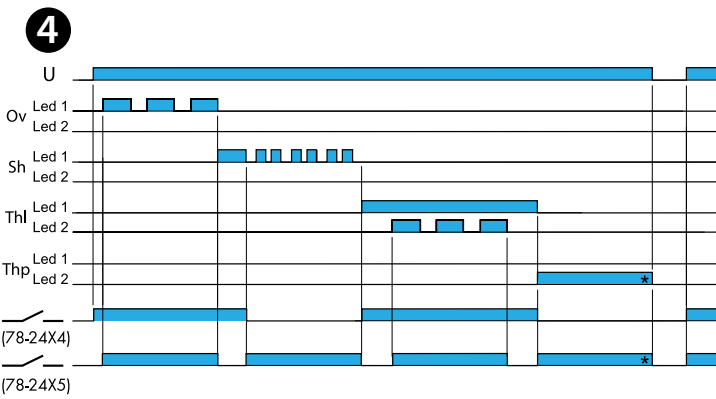
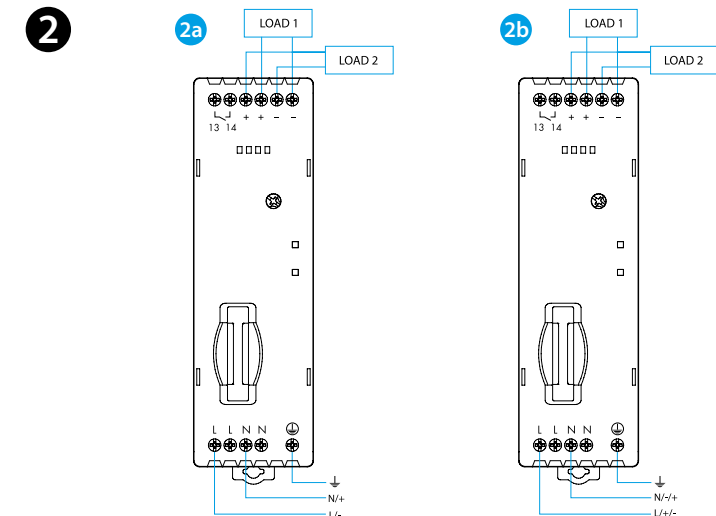
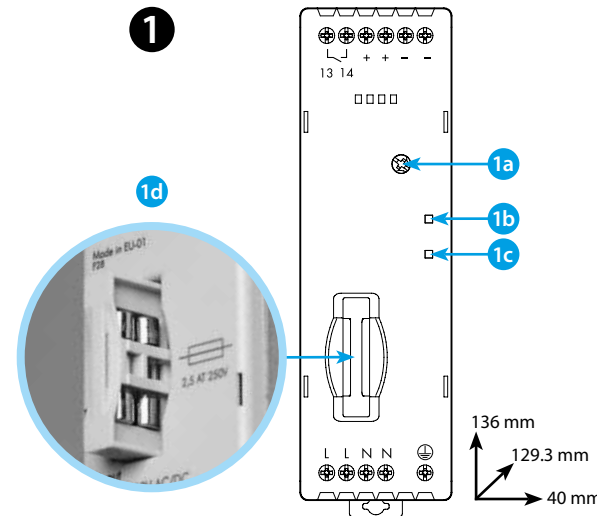
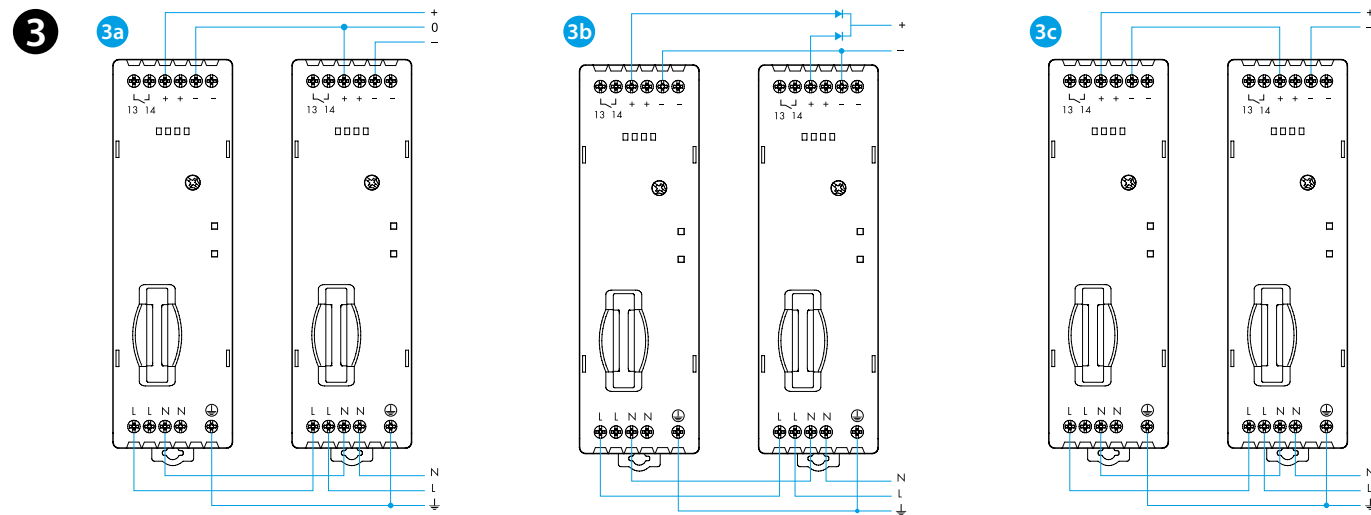
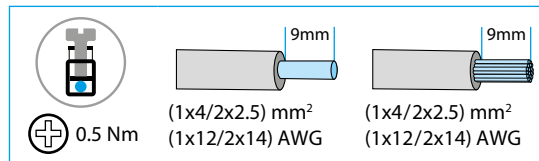




78.1C

78.1D

IN	78.1C.1.230.240x U _N (120...240)V AC (50/60 Hz) U _N 220 V DC U _{min} - U _{max} 110-265 V AC (50/60 Hz) U _{min} - U _{max} 155-275 V DC P < 2.1 W (@230 V AC)	78.1D.1.230.241x U _N (110...240)V AC (50/60 Hz) / DC U _{min} - U _{max} 88-265 V AC (50/60 Hz) U _{min} - U _{max} 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 _{out} 5.4 A (max 10 A - 5 ms) 24 V DC P _{out} 130 W
OUT		
	(-20...+70)°C	(-20...+70)°C
	IP20	IP20



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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

ENGLISH

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