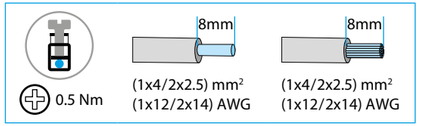
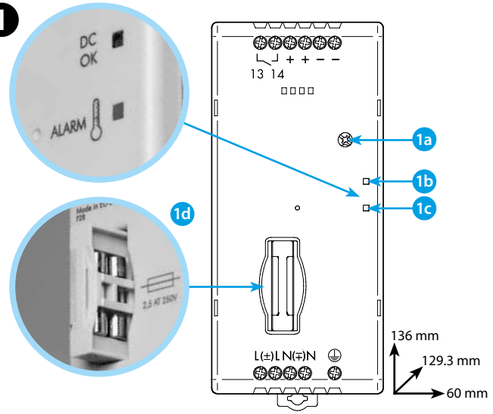
finder
RELAYING INNOVATION

78.2E

IN	**78.2E.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} 90 – 275 V DC P ≤ 2.8 W (@ 88 V)
OUT	- [**IN** 230 V AC, (–20...+40)°C] 10.8 A (max 25 A – 5 ms) 24 V DC, 250 W - [**IN** (88...275)V, 50°C] I_N10 A, 24 V DC, 240 W
	(–20…+70)°C
IP20	



1



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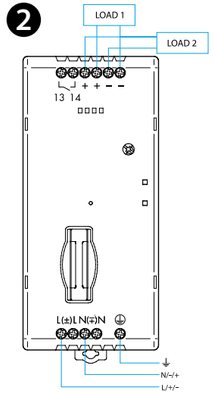

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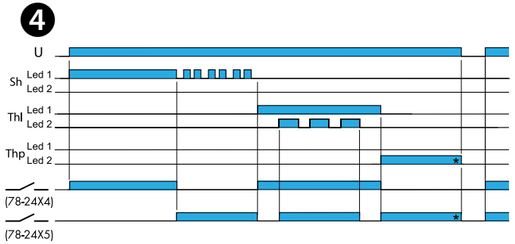

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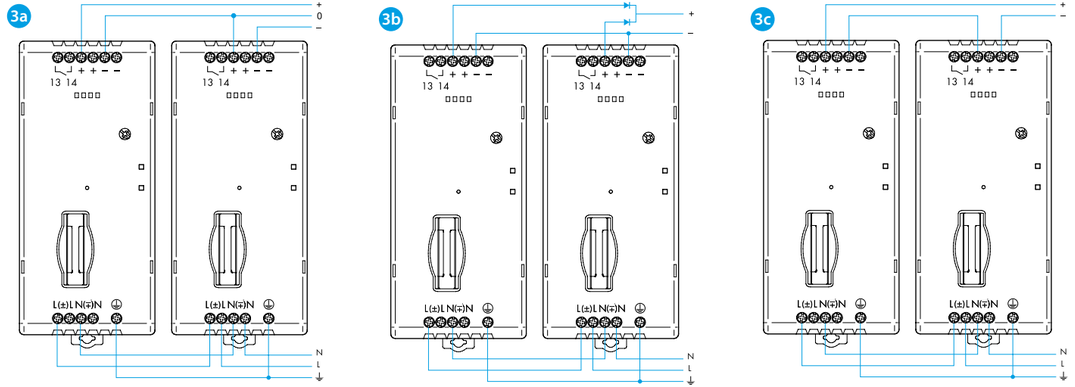

cULus Pending

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

Utility Model - IB782EVXX - 01/25 - Finder S.p.A. con unico socio - 10040 ALMESE (TO) - ITALY

ENGLISH

78.2E
SWITCH MODE POWER SUPPLIE

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 (plus spare)

2 CONNECTIONS

3 WIRING DIAGRAM EXAMPLES
- 3a Dual connection - for a Bipolar supply
- 3b Parallel connection (I ≤ 2 x I_N)
- 3c Series connection - for increased output voltage

4 LED INDICATION AND FUNCTION

U	AC/DC Supply
Sh	Short circuit
Thl	Thermal limit
Thp	Thermal protection *(to reset, remove the supply)
Led1	(1b) LED Green
Led2	(1c) LED Red

NOTE
- Efficiency: 93% @ 230 V AC
- 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)
- Fuse: 3.15A-T
- **78.2E.1.230.2414**: Positive safety logic contact.
  Make output contact opens if the relay detects an error.
  This version is suitable, for example, for signalling to a remote PLC all those alarms representing a service interruption of the power supply output
- **78.2E.1.230.2415** Pre-alarm contact.
  The NO contact (13-14) closes when an anomaly happens (short circuit, thermal limit, thermal protection)
- **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**

finder