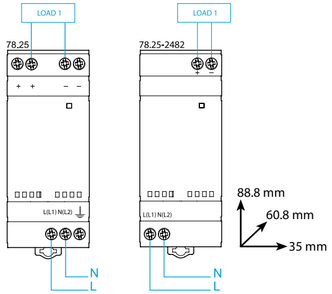
finder
RELAYING INNOVATION

78.25

IN	**78.25-xx00**	U_N (110...240) V AC (50/60 Hz) U_{min} - U_{max} (100 - 265) V AC (I_{OUT} = I_N) U_{min} - U_{max} (88 - 100) V AC (I_{OUT} = 80% I_N) U_N 220 V DC U_{min} - U_{max} (140 - 370) V DC P < 0.5 W (0.3 W 78-1200)
	78.25-2482	U_{min} - U_{max} (100 - 250) V AC (I_{OUT} = I_N) U_N 220 V DC U_{min} - U_{max} (140 - 350) V DC P < 0.5 W
OUT	**78.25-1200**	2.1 A (max 4 A - 3 ms) 12 V DC, 25 W [(–20...+40)°C, **IN** 230 V AC] 1 A (max 4 A - 3 ms) 12 V DC, 25 W [50°C, **IN** (100...265) V AC - (140...370) V DC]
	78.25-2400	1 A (max 3 A - 3 ms) 24 V DC, 25 W [(–20...+40)°C, **IN** 230 V AC] 0.75 A (max 3 A - 3 ms) 24 V DC, 25 W [50°C, **IN** (100...265) V AC - (140...370) V DC]
	78.25-2482	1 A (max 3 A - 3 ms) 24 V DC, 25 W [(–20...+50(Pn)...+70(derating))°C, **VIN** 230 V AC] 0.8 A (max 3 A - 3 ms) 24 V DC, 25 W [70°C, **VIN** (100...250) V AC - (140...350) V DC]
	78.25-xx00	(–20…+60)°C
	78.25-2482	(–20…+70)°C
IP20		

1



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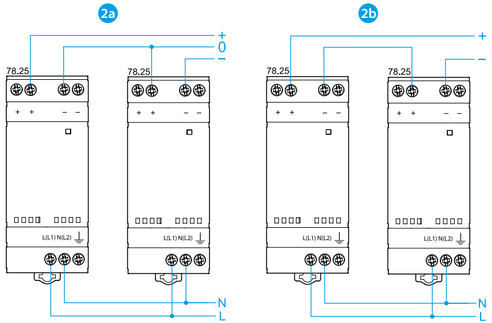
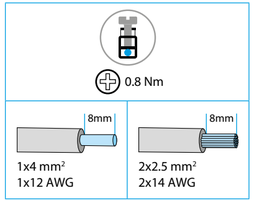


3

78	U_N	LED
OK	√	
Sh	√	
ThL	√	OFF



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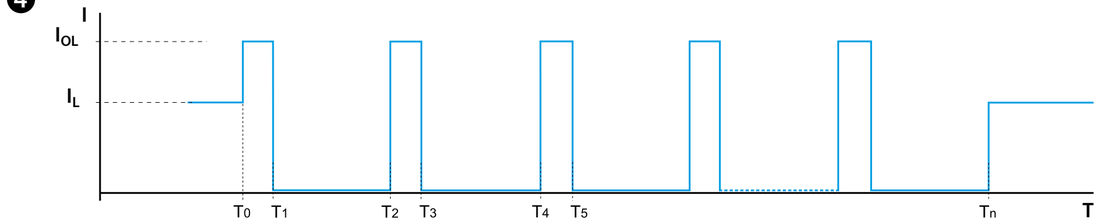

ENGLISH

78.25
SWITCH MODE POWER SUPPLY

1 WIRING DIAGRAM

2 WIRING DIAGRAM EXAMPLES
2a Dual connection
2b Series connection

3 LED
U_N AC/DC Supply
Sh Short circuit
ThL Thermal limit

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 (T0) the output voltage will be rapidly reduced to zero-followed by the current (T1).
After approximately 2 seconds (T1 to T2), the power supply checks for the persistence of the anomaly over the time period T2 to T3 (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 (T3 to T4).
This "hiccup" process is repeated until the anomaly is removed (Tn), whereon the power supply then returns to normal working.

NOTE
Efficiency (@230 V 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

finder