

**TÁPEGYSÉG 3 FÁZIS, 48 VDC  
DIMENSION X SZÉRIA**

48 V DC, 20 A, félig szabályozott

XT40.481

PSU 3PH 400V ac I/P 48V dc 20A 960W O/P

- Kimeneti áramerősség 20 A
- 96%-os hatásfok
- Félig szabályozott
- Lineáris transzformátorok kiváltása
- Magas rövidzárlati áramok

**TERMÉKLEÍRÁS****MŰSZAKI ADATOK**

Active Transient	Igen
Efficiency At 400 V AC, full load. Typical	96 %
Fázisok száma	3
Hold-up time at 400 V AC, full load. Typical.	3 ms
Input voltage AC	400 V
Input voltage ac max	440 V AC
Input voltage ac min	360 V AC
Inrush current at 400 V ac typical	4 A
IP-osztály	IP20
Jóváhagyások	CB, CE, CSA, UL
Lifetime at 400 V ac, full load and +40 ° C	77000 h
Magasság	124 mm
Mélység	159 mm
MTBF (IEC 61709) 400 V ac, max loan, +40 ° C	541000 h
Output Current	20 A
Output voltage	48 V DC

<b>Output voltage max</b>	48 V DC
<b>Output voltage min</b>	48 V DC
<b>Power consumption at 400 V ac</b>	1,65 A
<b>Power Factor at 400 V AC, full load. Typical</b>	0,93
<b>Power Reduction Of 60 To 70 ° C</b>	24 W/°C
<b>Ripple. max</b>	300 mV pp
<b>Series</b>	Dimension X
<b>Supply Frequency</b>	50-60 ±6 %
<b>Szélesség</b>	96 mm
<b>Teljesítmény</b>	960 W
<b>Temperature Range Without Derating From</b>	-25 °C
<b>Temperature Range Without Derating To</b>	60 °C
<b>Tömeg</b>	1,4 kg
<b>Védőanyag</b>	Alumínium

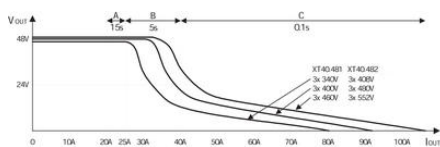


Fig. 9-1 Efficiency vs. output current

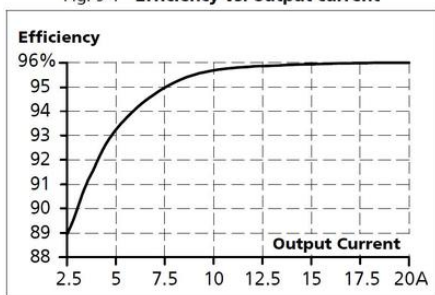


Fig. 9-2 Losses vs. output current

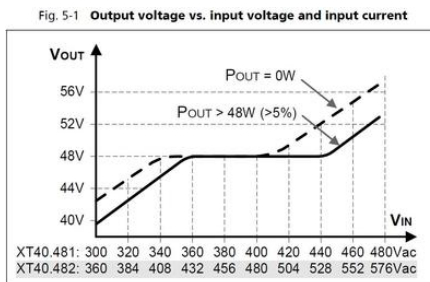
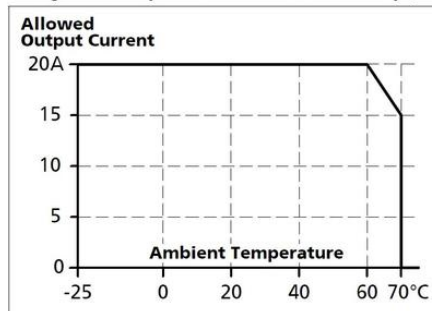


Fig. 5-1 Output voltage vs. input voltage and input current

Fig. 15-1 Output current vs. ambient temp.,



25. COMPARISON BETWEEN THE XT40, A TRANSFORMER AND A TRADITIONAL SWITCHED-MODE POWER SUPPLY

	XT40 Semi-regulated power supply	Traditional switched-mode power supply	Transformer power supply
Input voltage range	+	**	-
Inrush current surge	**	-	-
Hold-up time	-	*	-
Phase-loss operation	-	*	-
Efficiency	***	**	-
Output voltage regulation	+	**	-
Output adjustment range	-	**	-
Ripple & noise voltage	-	**	-
Error diagnostics	**	**	-
Harmonic distortion (THD)	+	*	-
EMC	**	**	*
Ease of installation	**	**	-
Size	***	**	-
Weight	***	*	-

\*\*\*, very, very good    \*\*, very good    +, good    -, poor

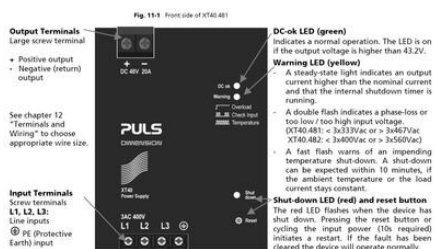


Fig. 11-1 Front side of XT40-481

**Output Terminals**  
Large screw terminal  
+ Positive output  
- Negative (return) output

See chapter 12 "Terminals and Wiring" to choose appropriate wire size.

**Input Terminals**  
Screw terminals  
L1, L2, L3: Line inputs  
PE (Protective Earth) input

**DC-OK LED (green)**  
Indicates a normal operation. The LED is on if the output voltage is higher than 43.2V.

**Warning LED (yellow)**  
A steady-state light indicates an output current higher than the nominal current and that the internal shutdown timer is running.  
- A double flash indicates a phase-loss or too low / too high input voltage (XT40-481: < 3x337VAc or > 3x467VAc; XT40-482: < 3x400VAc or > 3x550VAc).  
- A fast flash warns of an impending temperature shutdown. A shutdown can be expected within 10 minutes, if the ambient temperature or the load current stays constant.

**Shut-down LED (red) and reset button**  
The red LED flashes when the device has shut down. Pressing the reset button or cycling the input power (10s required) initiates a restart. If the fault has been cleared the device will operate normally.

Fig. 22-1 Front view

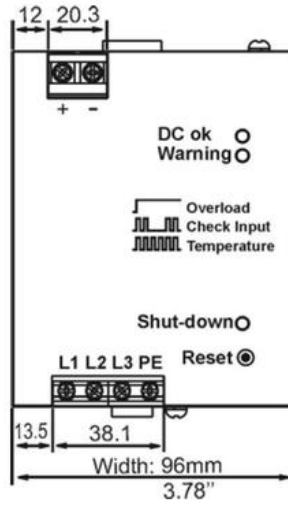


Fig. 22-2 Side view

