

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

48 V DC, 20 A, félig szabályozott

XT40.481

- 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

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

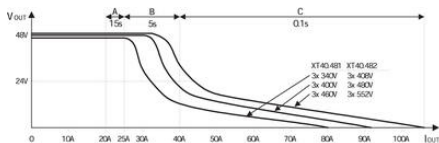


Fig. 5-1 Output voltage vs. input voltage and input current

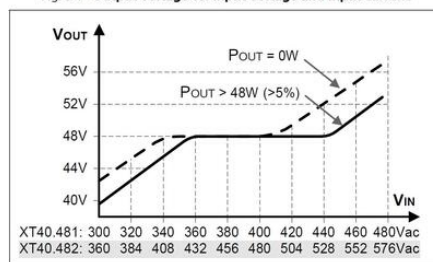


Fig. 15-1 Output current vs. ambient temp.,

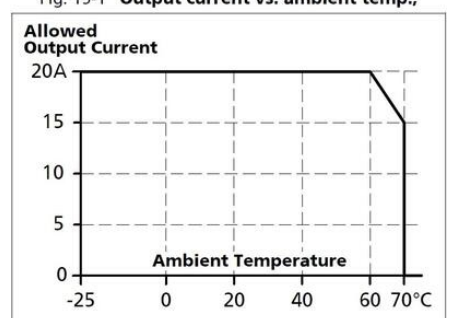


Fig. 9-1 Efficiency vs. output current

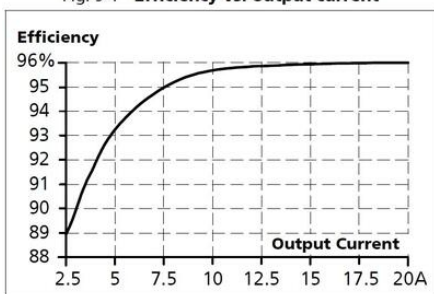
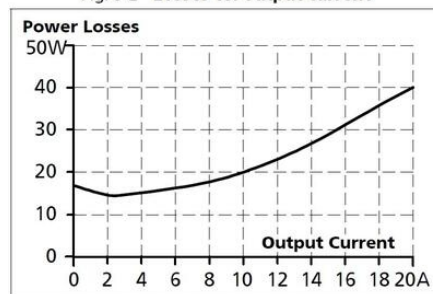


Fig. 9-2 Losses vs. output current



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 (PFC)	+	+	-
EMC	++	++	+
Ease of installation	++	++	-
Size	+++	++	-
Weight	+++	+	-

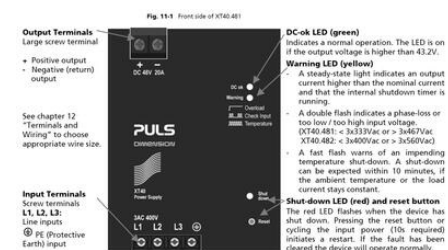


Fig. 11-1 Front side of XT40.481

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: < 3x330Vac or > 3x487Vac
XT40.482: < 3x400Vac or > 3x550Vac

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 (TO required) indicates a restart. If the fault has been cleared the device will operate normally.

Fig. 22-1 Front view

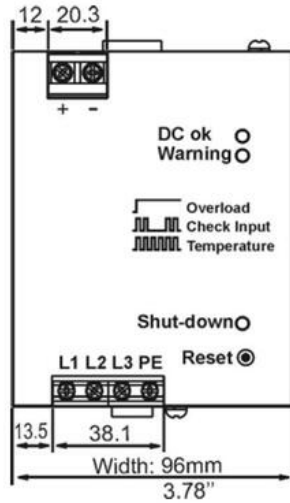


Fig. 22-2 Side view

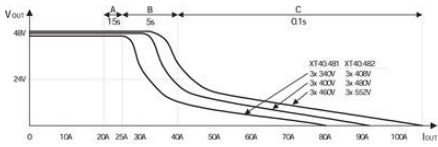
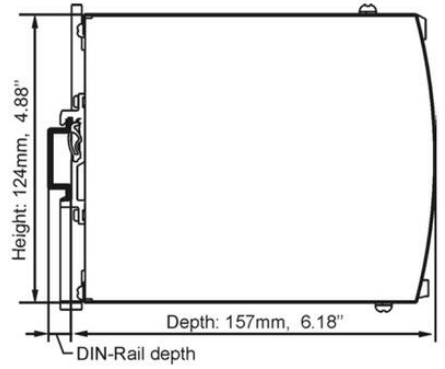


Fig. 9-1 Efficiency vs. output current

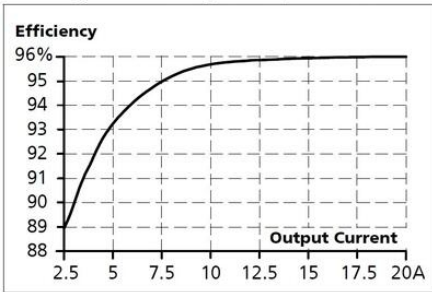


Fig. 5-1 Output voltage vs. input voltage and input current

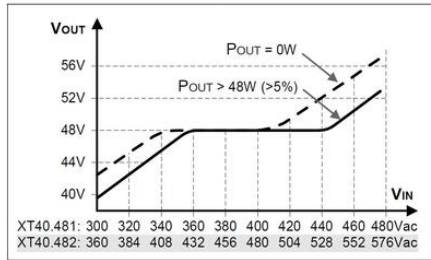


Fig. 15-1 Output current vs. ambient temp.,

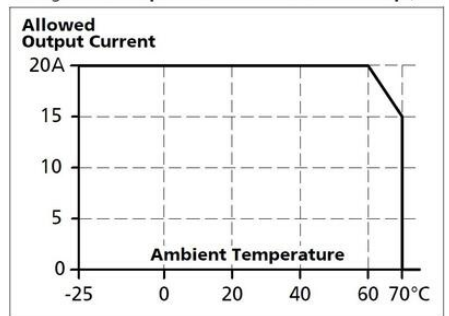
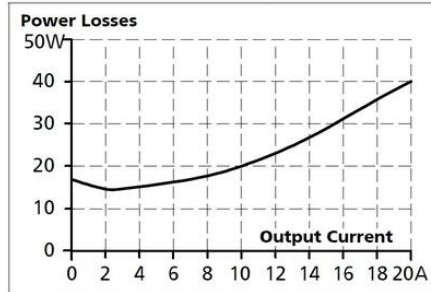


Fig. 9-2 Losses vs. output current



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 (PFC)	+	+	-
EMC	++	++	+
Ease of installation	++	++	-
Size	+++	++	-
Weight	+++	++	-

+++ .very, very good ++ .very good + .good - .poor

Fig. 11-1 Front side of XT40.481

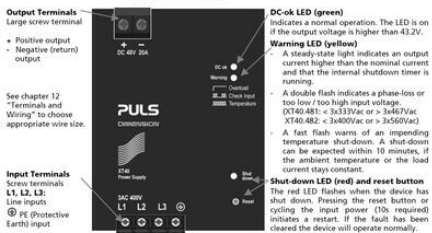


Fig. 22-1 Front view

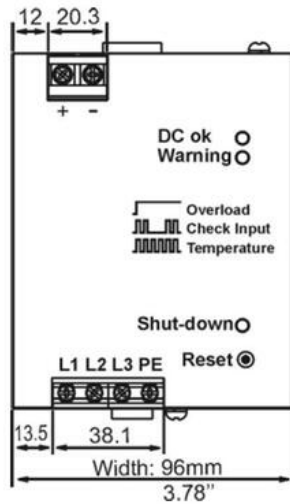


Fig. 22-2 Side view

