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
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
Tömeg	1,4 kg
Védőanyag	Alumínium

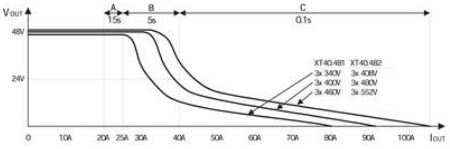


Fig. 5-1 **Output voltage vs. input voltage and input current**

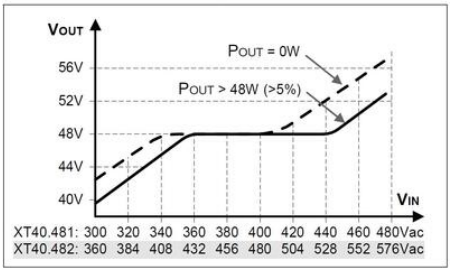


Fig. 15-1 **Output current vs. ambient temp.,**

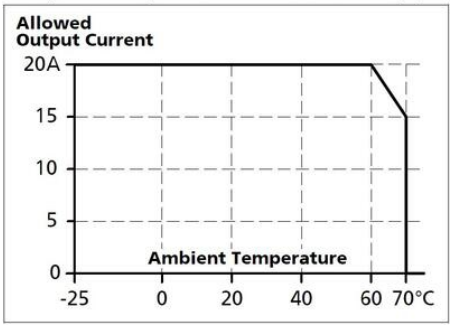


Fig. 9-1 **Efficiency vs. output current**

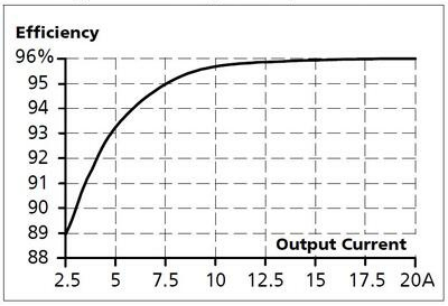
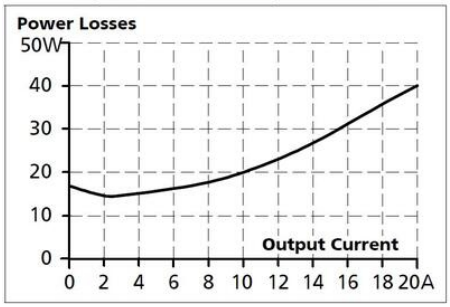


Fig. 9-2 **Losses vs. output current**



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	+++	+	-

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

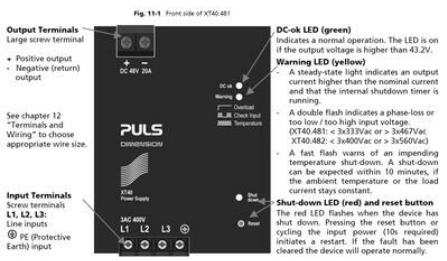


Fig. 22-1 **Front view**

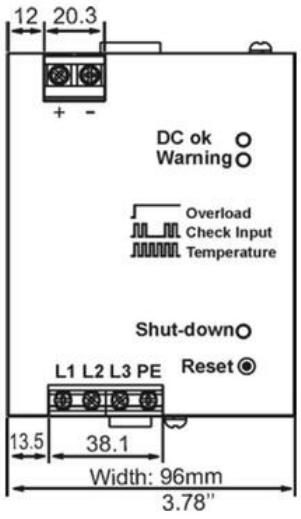
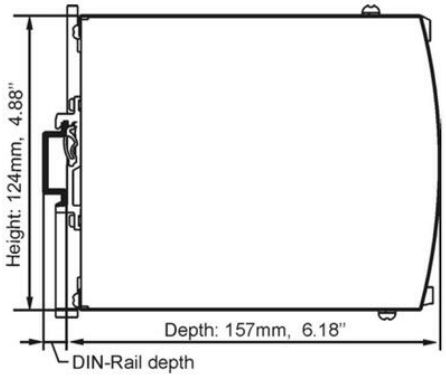


Fig. 22-2 **Side view**



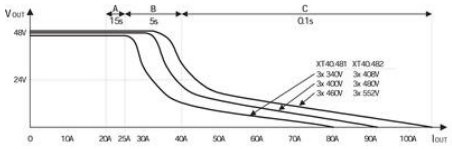


Fig. 5-1 **Output voltage vs. input voltage and input current**

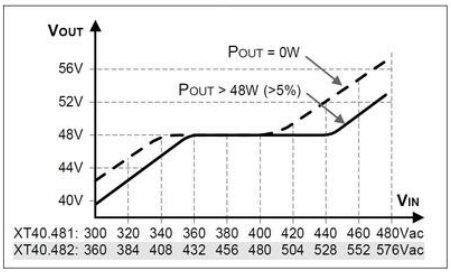


Fig. 15-1 **Output current vs. ambient temp.,**

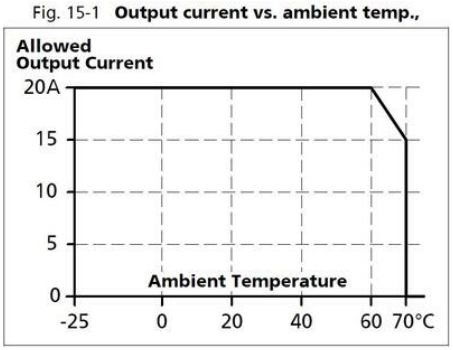


Fig. 9-1 **Efficiency vs. output current**

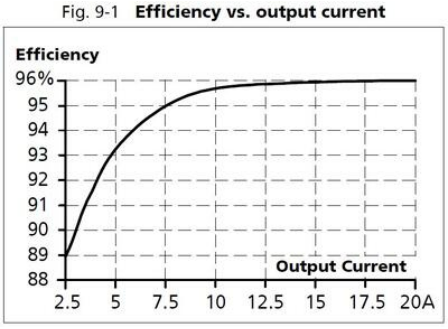
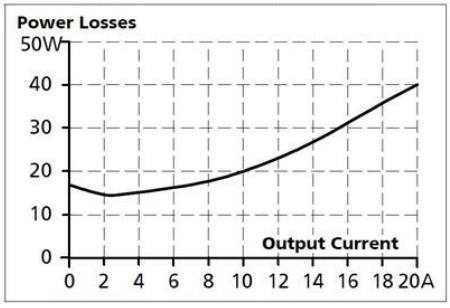


Fig. 9-2 **Losses vs. output current**



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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

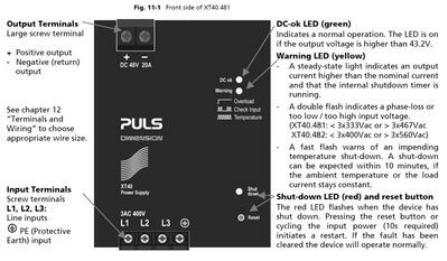


Fig. 22-1 **Front view**

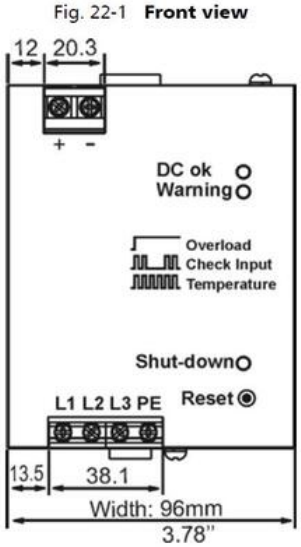


Fig. 22-2 **Side view**

