

**DIMENSION DC/DC KONVERTER**

110/24,5 V DC, 16,3 A

CPS20.241-60
PSU 110V dc I/P 24.5V dc 16.3A 400W O/P Railway
Compliant

- 65 mm széles
- 93,7 %-os hatásfok
- EN 50155 vasúti alkalmazásokra vonatkozó szabvány szerint
- Beépített redundancia (Leválasztó MOSFET a kimeneten)
- Conformal bevonatos elektronikai áramköri lap

**TERMÉKLEÍRÁS****MŰSZAKI ADATOK**

Bekapcsolási túláram	Typ. 6 A @ 110 V DC
Clamp type	Spring-clamp
Conformal coated	Igen
DC relay output	Igen
Efficiency	93,7 %
Élettartam	151000 h @ 16,3 A, 40 °C
Input voltage DC	110 V
Input voltage dc max	154 V DC
Input voltage dc min	77 V DC
IP-osztály	IP20
Jóváhagyások	CE, EN 50155
Keep time	Typ. 35 ms @ 16,3 A
Magasság	124 mm
Max entrance tripple	15 V pp
Mélység	127 mm
MTBF (IEC 61709)	571000 h @ 16,3 A, 40 °C

Output Current	16,3 A
Output voltage	24,5 V DC
Output voltage max	24,5 V DC
Output voltage min	24,5 V DC
Ripple. max	70 mV pp
Series	Dimension C
Start-Up Delay	900 ms
Szélesség	65 mm
Teljesítmény	400 W
Temperature Range Without Derating From	-40 °C
Temperature Range Without Derating To	70 °C
Tömeg	0,98 kg
Védőanyag	Alumínium

Fig. 6-1 Output voltage vs. output current, typ.

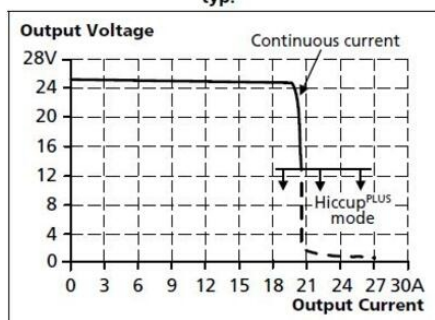


Fig. 15-1 Output current vs. ambient temp.

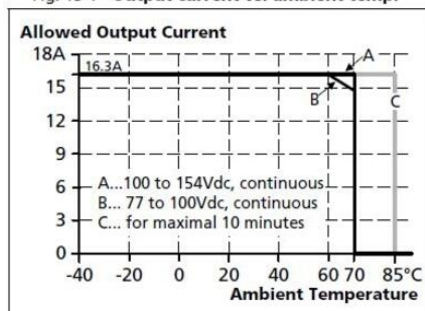


Fig. 9-1 Efficiency vs. output current, typ

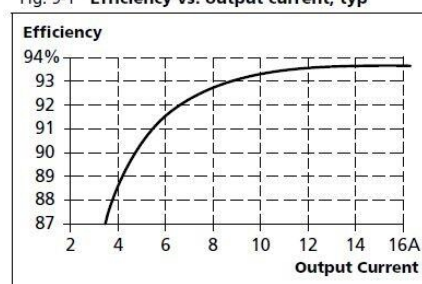


Fig. 6-2 Short-circuit on output, Hiccup^{PLUS} mode, typ.

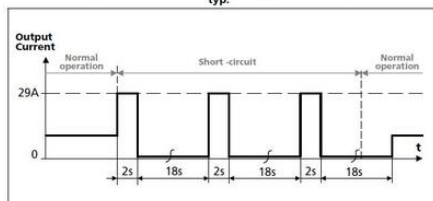
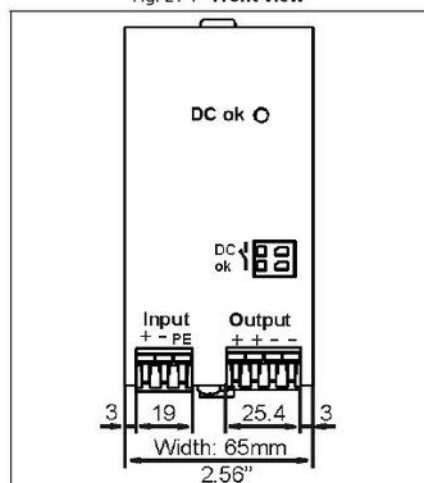


Fig. 13-1 Front side



Fig. 21-1 Front view



Height: 124mm, 4.88"

Depth: 127mm, 5.0"

DIN-Rail depth

Output Voltage

Continuous current

Hiccup^{PLUS} mode

Output Current

Allowed Output Current

18A
15
12
9
6
3
0

-40 -20 0 20 40 60 70 85°C

A... 100 to 154Vdc, continuous
B... 77 to 100Vdc, continuous
C... for maximal 10 minutes

16.3A

A B C

Ambient Temperature

Output Current (A)	Efficiency (%)
3.5	87.5
4	88.5
6	91.5
8	92.5
10	93.0
12	93.3
14	93.5
16	93.5

The image shows a Puls Dimension CPS20 Power Supply unit. It is a black, rectangular device with a terminal block on the left and a connector on the right. The terminal block has four terminals labeled A, B, C, and D. Terminal A is for Input DC 110V, terminal B is for Output DC 24.5V, terminal C is for Output DC 24.5V, and terminal D is for Output DC 24.5V. The connector is a 4-pin D-sub connector labeled 13 and 14. The unit is labeled "PULS DIMENSION" and "CPS20 Power Supply".

Side view diagram of the device showing dimensions:

- Height: 124mm, 4.88"
- Depth: 127mm, 5.0"
- DIN-Rail depth