

**POWER SUPPLY 1-PHASE, 36 V DC  
DIMENSION C SERIES, GENERATION 2**

36-42V, 6,7A

CP10.361  
POWER SUPPLY 36VDC 240W 6,7A

- Width 39mm
- 95,4% efficiency
- 20% power reserve
- Active PFC, DC-OK Relay Contact, Hiccup Plus



**PRODUCT DESCRIPTION**

**SPECIFICATIONS**

<b>Input voltage range</b>	Wide-range
<b>Power Consumption At 120 V AC</b>	2,16 A
<b>Input voltage AC</b>	100-240 V
<b>Input voltage ac min</b>	85 V AC
<b>Input voltage dc max</b>	180 V DC
<b>Input voltage DC</b>	110-150 V
<b>Input voltage ac max</b>	264 V AC
<b>Input current at 230 V ac typical</b>	6 A
<b>Number of phases</b>	1
<b>Power Consumption At 230 V AC</b>	1,13 A
<b>Supply Frequency</b>	50-60 ±6 %
<b>Inrush current at 120 V ac typical</b>	6 A
<b>Power Factor at 120 V AC, full load. Typical</b>	0,99
<b>Power Factor at 230 V AC, full load. Typical</b>	0,97
<b>Input voltage dc min</b>	88 V DC

<b>Ripple. max</b>	50 mV pp
<b>Output voltage min</b>	36 V DC
<b>Power Reduction Of 60 To 70 ° C</b>	6 W/°C
<b>Temperature Range Without Derating From</b>	-25 °C
<b>Output voltage</b>	36 V DC
<b>Output voltage max</b>	42 V DC
<b>Effect</b>	240 W
<b>Output Current</b>	6,7 A
<b>Temperature Range Without Derating To</b>	60 °C
<b>Lifetime at 120 V ac, full load and +40 ° C</b>	87000 h
<b>MTBF (IEC 61709) 230 V AC, Maximum Load, 40 ° C</b>	661000 h
<b>Efficiency At 230 V AC, full load. Typical</b>	95,4 %
<b>Efficiency At 230 V AC. Typical</b>	94,3 %
<b>Lifetime at 230 V ac, full load and +40 ° C</b>	130000 h
<b>Efficiency At 120 V AC, full load. Typical</b>	93,8 %
<b>Weight</b>	0,6 kg
<b>Depth</b>	117 mm
<b>Width</b>	39 mm
<b>Height</b>	124 mm
<b>Clamp type</b>	Screw
<b>IP Class</b>	IP20
<b>DC relay output</b>	Yes
<b>Hold-up time at 120 V AC, full load. Typical.</b>	38 ms
<b>Series</b>	Dimension C
<b>Hold-up time at 230 V AC, full load. Typical.</b>	38 ms
<b>Approvals</b>	ABS, CB, CE, CSA, EX, GL, IECEx, UL
<b>Material Protection</b>	Aluminium
<b>Active Transient</b>	Yes

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

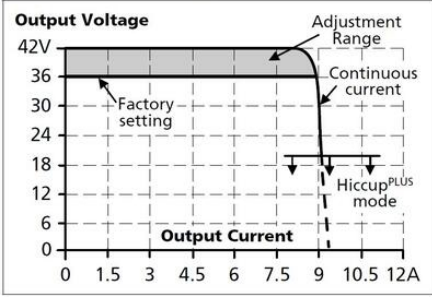


Fig. 6-2 Dynamic output current capability, typ.

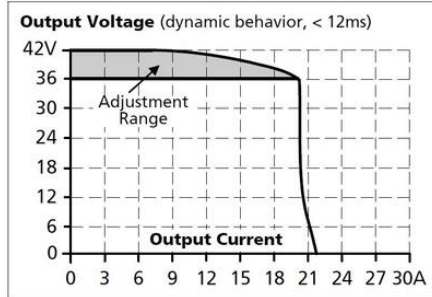


Fig. 16-1 Output current vs. ambient temp.

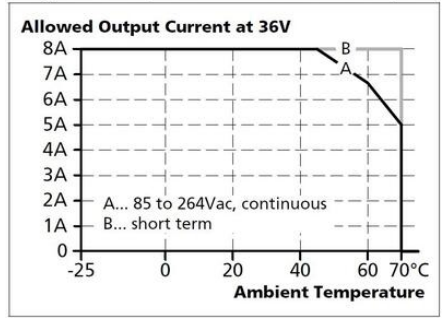


Fig. 6-3 Short-circuit on output, Hiccup<sup>PLUS</sup> mode, typ.

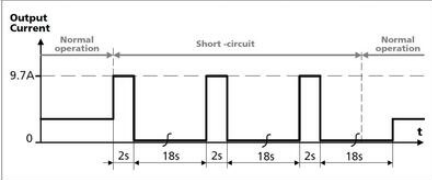


Fig. 9-1 Efficiency vs. output current at 36V, typ.

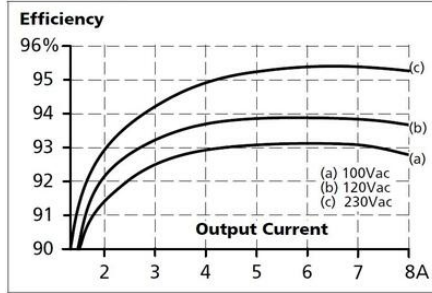
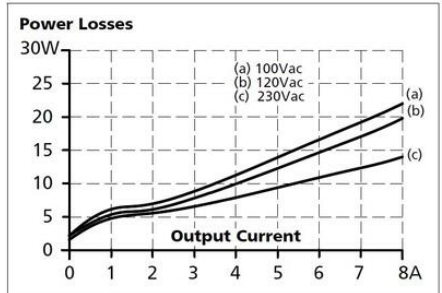


Fig. 9-2 Losses vs. output current at 36V, typ.



Maximal wire length<sup>1)</sup> for a fast (magnetic) tripping:

	0.75mm <sup>2</sup>	1.0mm <sup>2</sup>	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>
C-2A	49m	64m	98m	> 120m
C-3A	14m	23m	30m	48m
C-4A	2m	2m	2m	2m
B-6A	7m	7m	7m	8m

Fig. 14-1 Front side



Fig. 22-1 Front view

