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

36-42V, 6,7A

CP10.361
PSU 100-240V ac I/P 36V dc 6.7A 240W O/P



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

PRODUCT DESCRIPTION

SPECIFICATIONS

Input voltage AC	100-240 V
Input voltage ac min	85 V AC
Input voltage ac max	264 V AC
Input voltage DC	110-150 V
Input voltage dc min	88 V DC
Input voltage dc max	180 V DC
Inrush current at 120 V ac typical	6 A
Input current at 230 V ac typical	6 A
Input voltage range	Wide-range
Power Factor at 120 V AC, full load. Typical	0.99
Power Factor at 230 V AC, full load. Typical	0.97
Number of phases	1

Output voltage	36 V DC
Output voltage min	36 V DC
Output voltage max	42 V DC

Output Current	6.7 A
Effect	240 W

Efficiency At 120 V AC, full load. Typical	93.8 %
Efficiency At 230 V AC. Typical	94.3 %
Efficiency At 230 V AC, full load. Typical	95.4 %
Lifetime at 120 V ac, full load and +40 ° C	87000 h
Lifetime at 230 V ac, full load and +40 ° C	130000 h
MTBF (IEC 61709) 230 V AC, Maximum Load, 40 ° C	661000 h

Width	39 mm
Height	124 mm
Depth	117 mm
Weight	0.6 kg

Approvals	ABS, CB, CE, CSA, EX, GL, IECEx, UL
Hold-up time at 120 V AC, full load. Typical.	38 ms
Hold-up time at 230 V AC, full load. Typical.	38 ms
IP Class	IP20
Clamp type	Screw
Material Protection	Aluminium
Supply Frequency	50-60 ±6 %
Ripple. max	50 mV pp
Series	Dimension C
Power Consumption At 120 V AC	2.16 A
Power Consumption At 230 V AC	1.13 A
Power Reduction Of 60 To 70 ° C	6 W/°C
Temperature Range Without Derating From	-25 °C
Temperature Range Without Derating To	60 °C

Active Transient	Yes
DC relay output	Yes

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

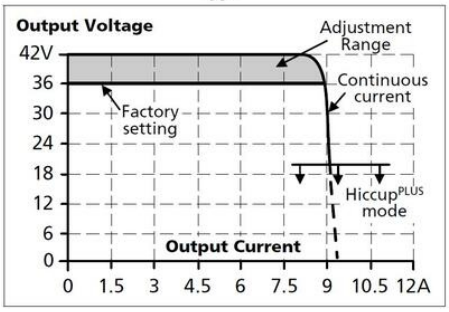


Fig. 6-2 **Dynamic output current capability, typ.**

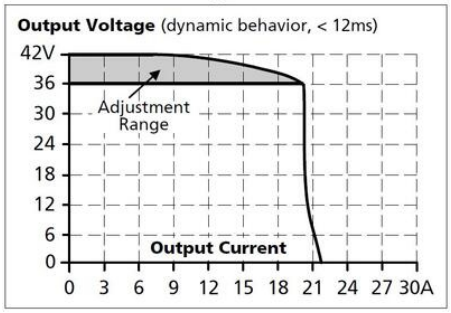


Fig. 16-1 **Output current vs. ambient temp.**

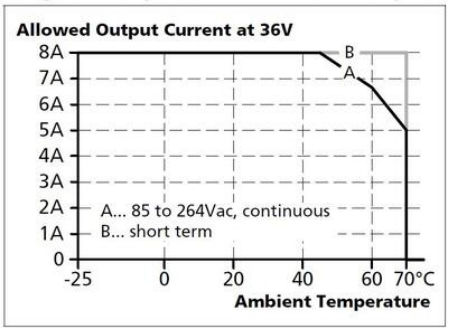


Fig. 6-3 **Short-circuit on output, Hiccup^PLUS mode, typ.**

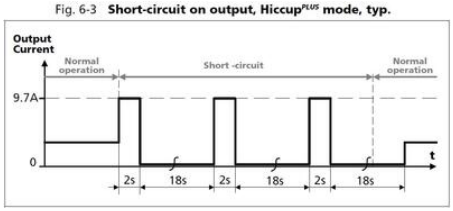


Fig. 9-1 **Efficiency vs. output current at 36V, typ.**

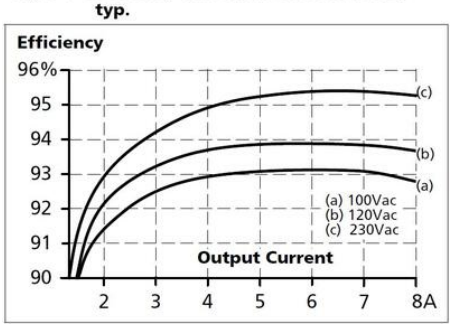
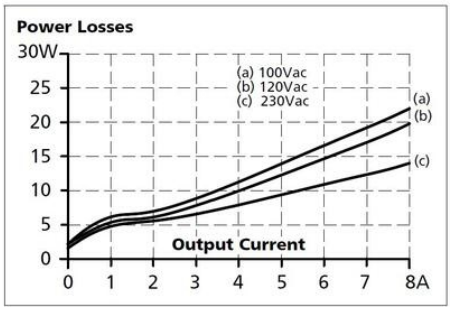


Fig. 9-2 **Losses vs. output current at 36V, typ.**



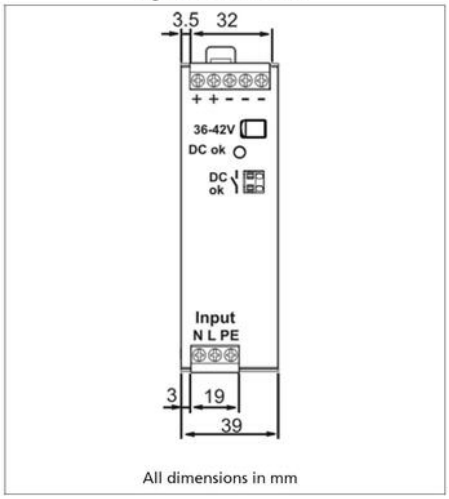
Maximal wire length*) for a fast (magnetic) tripping:

	0.75mm²	1.0mm²	1.5mm²	2.5mm²
C-2A	49m	64m	98m	> 120m
C-3A	14m	23m	30m	48m
C-4A	2m	2m	2m	2m
B-6A	7m	7m	7m	8m

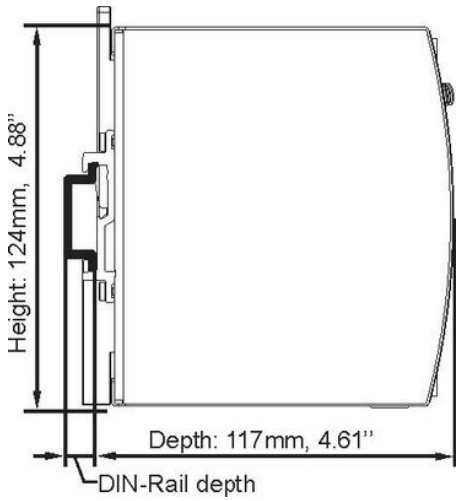
Fig. 14-1
Front side



Fig. 22-1 **Front view**



All dimensions in mm


Height: 124mm, 4.88''
Depth: 117mm, 4.61''
DIN-Rail depth