OEM Automatic Ltd
Address: Whiteacres, Whetstone Leicester, LE8 6ZG
0116 284 9900 | Orders@oem.co.uk | www.oem.co.uk

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

TECHNICAL DATA

INPUT DATA

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
Inrush 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 DATA

Output voltage	36 V DC
Output voltage min	36 V DC

Output voltage max	42 V DC
Output current	6.7 A
Power	240 W

EFFICIENCY / LIFETIME / MTBF

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, max load, 40 ° C	661000 h

DIMENSIONS

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

OTHER

Approvals	ABS, CB, CE, CSA, EX, GL, IECEx, UL
Hold time at 120 V ac, typical full load	38 ms
Hold time at 230 V ac, typical full load	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 120 V ac	2.16 A
Power consumption 230 V ac	1.13 A
Power drop from +60 °C to + 70 °C	6 W/°C
Temperature min without derating	-25 °C
Temperature max without derating	60 °C

Active Transient	Yes
DC relay output	Yes

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

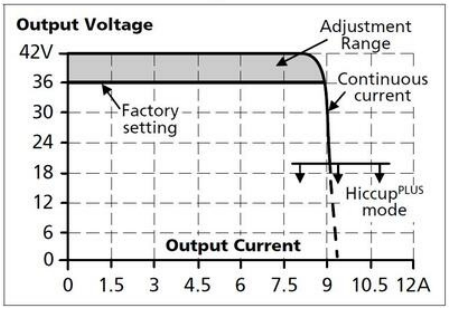


Fig. 6-2 **Dynamic output current capability, typ.**

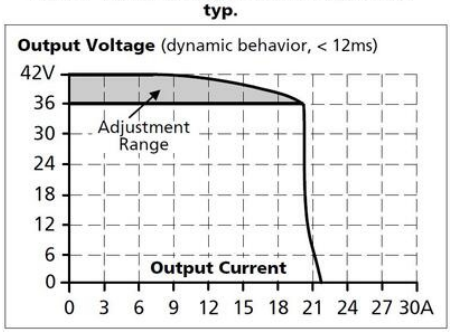


Fig. 16-1 **Output current vs. ambient temp.**

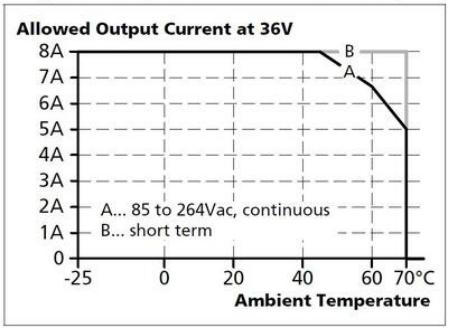


Fig. 6-3 **Short-circuit on output, Hiccup^PLUS mode, typ.**

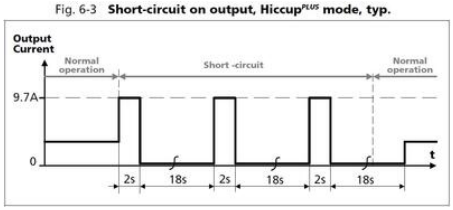


Fig. 9-1 **Efficiency vs. output current at 36V, typ.**

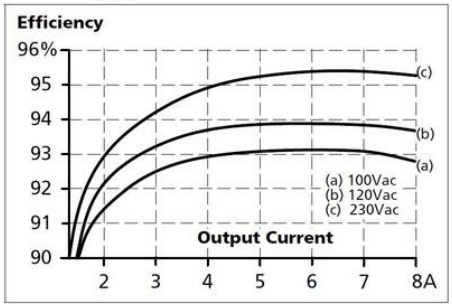
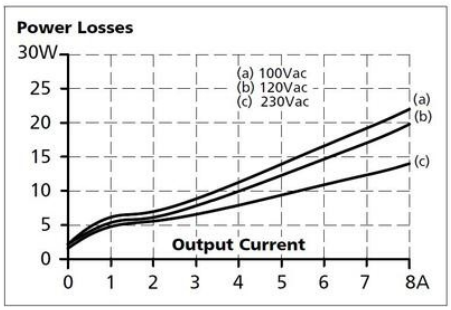


Fig. 9-2 **Losses vs. output current at 36V, typ.**



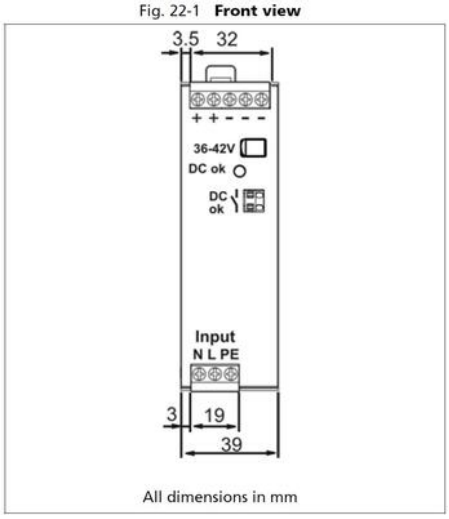
Maximal wire length*) for a fast (magnetic) tripping:

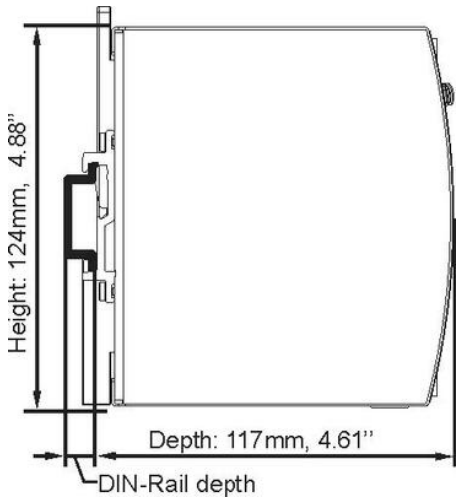
	0.75mm²	1.0mm²	1.5mm²	2.5mm²
C-2A	49m	64m	98m	> 120m
C-3A	14m	23m	30m	48m
C-4A	2m	2m	2m	2m
B-6A	7m	7m	7m	8m

Fig. 14-1
Front side



Fig. 22-1 **Front view**




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