TÁPEGYSÉG 1 FÁZIS, 24 VDC DIMENSION C SZÉRIA, GENERATION 2

24-28 V DC, 20 A

CP20.241
PSU 100-240V ac I/P 24V dc 20A 480W O/P



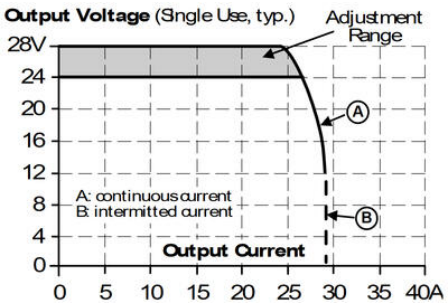
- Kimeneti áramerősség 20A
- 48 mm széles
- Fémház
- 20 % teljesítménytartalék
- Hiccup Plus

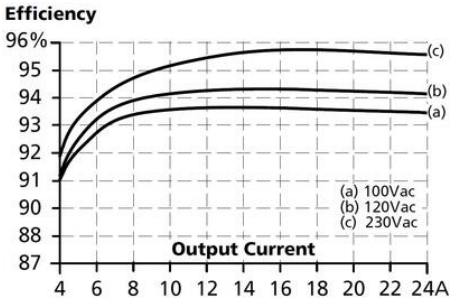
TERMÉKLEÍRÁS

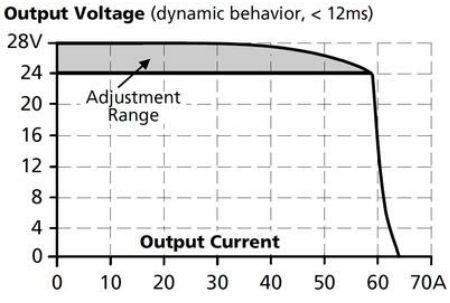
MŰSZAKI ADATOK

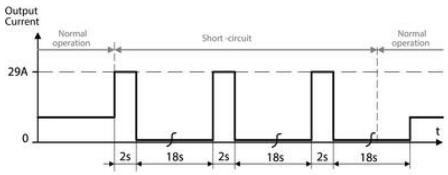
Active Transient	Igen
Clamp type	Csavar
DC relay output	Igen
Efficiency At 120 V AC, full load. Typical	94,2 %
Efficiency At 230 V AC, full load. Typical	95,6 %
Efficiency At 230 V AC. Typical	95 %
Fázisok száma	1
Hold-up time at 120 V AC, full load. Typical.	32 ms
Hold-up time at 230 V AC, full load. Typical.	32 ms
Input current at 230 V ac typical	4,5 A
Input voltage AC	100-240 V
Input voltage ac max	264 V AC
Input voltage ac min	85 V AC
Input voltage DC	110-150 V
Input voltage dc max	180 V DC
Input voltage dc min	88 V DC

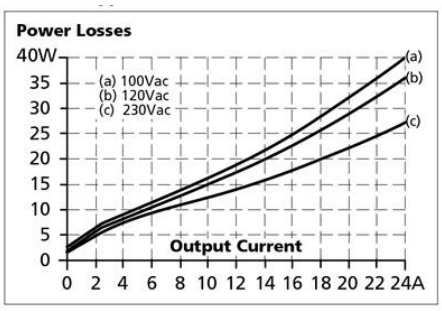
Input voltage range	Wide-range
Inrush current at 120 V ac typical	10 A
IP-osztály	IP20
Jóváhagyások	ATEX, CB, CE, CSA US, cULus, IECEx
Lifetime at 120 V ac, full load and +40 ° C	60000 h
Lifetime at 230 V ac, full load and +40 ° C	94000 h
Magasság	124 mm
Mélység	127 mm
MTBF (IEC 61709) 230 V AC, Maximum Load, 40 ° C	590000 h
Output Current	20 A
Output voltage	24 V DC
Output voltage max	28 V DC
Output voltage min	24 V DC
Power Consumption At 120 V AC	4,26 A
Power Consumption At 230 V AC	2,23 A
Power Factor at 120 V AC, full load. Typical	0,99
Power Factor at 230 V AC, full load. Typical	0,98
Power Reduction Of 60 To 70 ° C	12 W/°C
Ripple. max	50 mV pp
Series	Dimension C
Supply Frequency	50-60 ±6 %
Szélesség	48 mm
Teljesítmény	480 W
Temperature Range Without Derating From	-25 °C
Temperature Range Without Derating To	60 °C
Tömeg	0,83 kg
Védőanyag	Alumínium



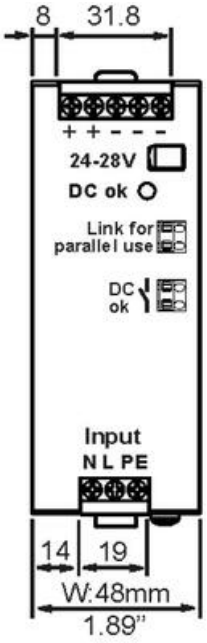


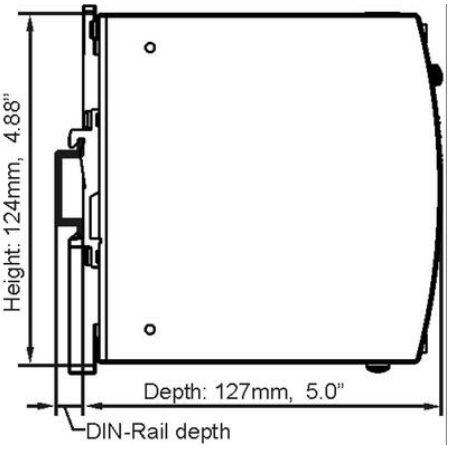


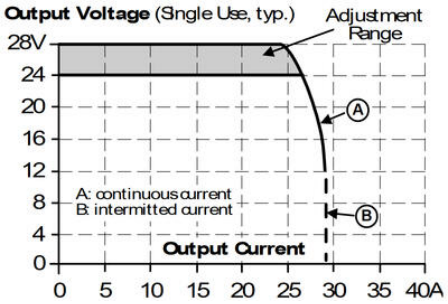

Output Current
Normal operation
Short -circuit
Normal operation
29A
0
2s
18s
2s
18s
2s
18s
t

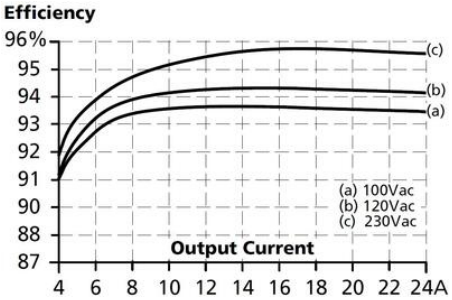

Power Losses
40W
35
30
25
20
15
10
5
0
(a) 100Vac
(b) 120Vac
(c) 230Vac
(a)
(b)
(c)
Output Current
0 2 4 6 8 10 12 14 16 18 20 22 24A

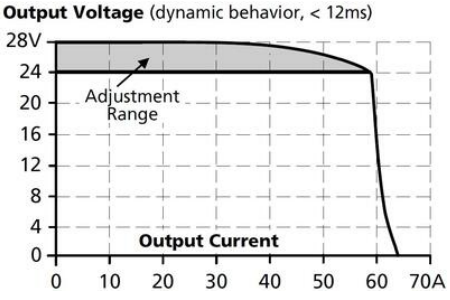

B
+ + − − −
DC 24V 20A
C
24-28V
DC ok
D
Link for Parallel use
F
PULS
E
13
14
DC ok
DIMENSION
CP20.241
Power Supply
AC 100-240V
N L
A

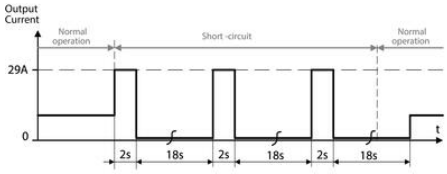

8
31.8
+ + − − −
24-28V
DC ok
Link for parallel use
DC ok
Input
N L PE
14
19
W:48mm
1.89"

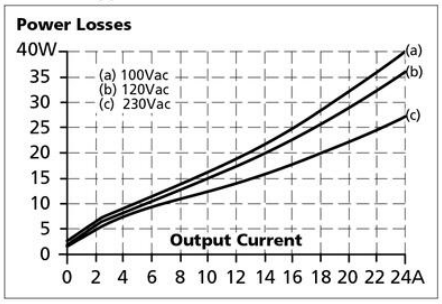

Height: 124mm, 4.88"
Depth: 127mm, 5.0"
DIN-Rail depth


Output Voltage (Sngle Use, typ.)
Adjustment Range
28V
24
20
16
12
8
4
0
A
B
A: continuous current
B: intermitted current
Output Current
0 5 10 15 20 25 30 35 40A


Efficiency
96%
95
94
93
92
91
90
88
87
(a) 100Vac
(b) 120Vac
(c) 230Vac
Output Current
4 6 8 10 12 14 16 18 20 22 24A


Output Voltage (dynamic behavior, < 12ms)
28V
24
20
16
12
8
4
0
Adjustment Range
Output Current
0 10 20 30 40 50 60 70A


Output Current
Normal operation
Short -circuit
Normal operation
29A
0
2s
18s
2s
18s
2s
18s
t


Power Losses
40W
35
30
25
20
15
10
5
0
(a) 100Vac
(b) 120Vac
(c) 230Vac
(a)
(b)
(c)
Output Current
0 2 4 6 8 10 12 14 16 18 20 22 24A