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

24-28 V DC, 5 A

CP5.241
PSU 100-240V ac I/P 24V dc 5A 120W O/P



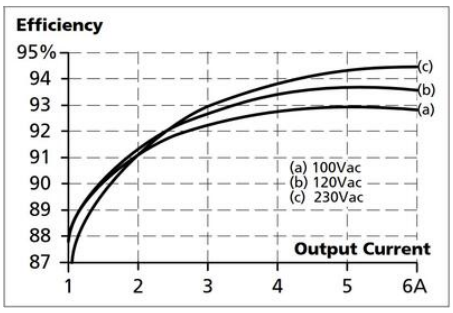
- Kimeneti áramerősség 5A
- 32 mm-es szélesség
- Fémház
- 20 % teljesítménytartalék
- Hiccup Plus

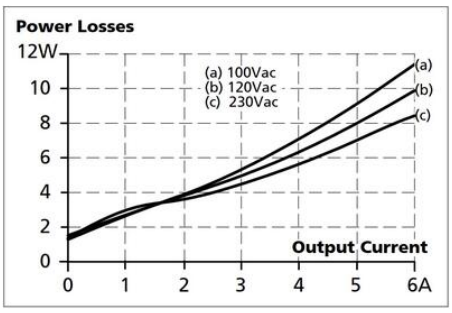
TERMÉKLEÍRÁS

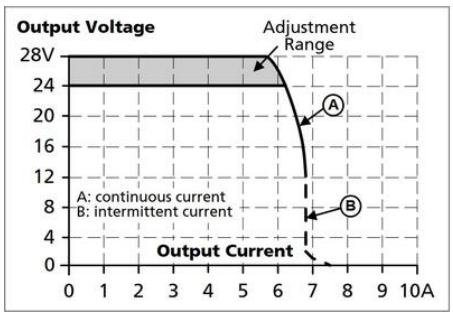
MŰSZAKI ADATOK

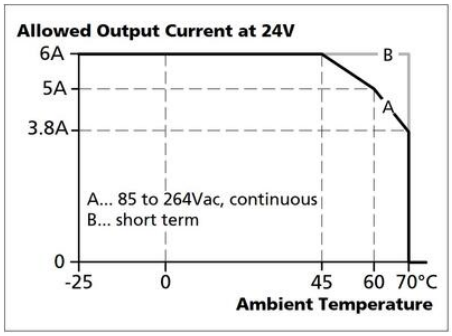
Active Transient	Igen
Clamp type	Csavar
Conformal coated	Nem
DC relay output	Igen
Efficiency At 120 V AC, full load. Typical	93,6 %
Efficiency At 230 V AC, full load. Typical	94,3 %
Efficiency At 230 V AC. Typical	92 %
Fázisok száma	1
Hold-up time at 120 V AC, full load. Typical.	35 ms
Hold-up time at 230 V AC, full load. Typical.	35 ms
Input current at 230 V ac typical	6 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

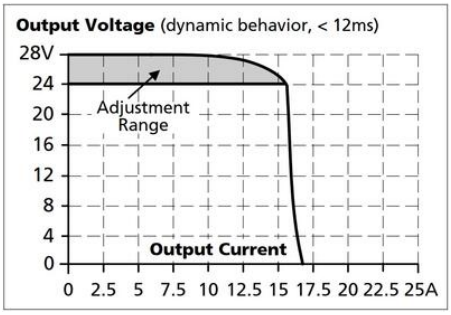
Input voltage dc min	88 V DC
Input voltage range	Wide-range
Inrush current at 120 V ac typical	5 A
IP-osztály	IP20
Jóváhagyások	ATEX, CE, cULus, IECEx, IEC 62368-1:2018
Lifetime at 120 V ac, full load and +40 ° C	143000 h
Lifetime at 230 V ac, full load and +40 ° C	166000 h
Magasság	124 mm
Mélység	102 mm
MTBF (IEC 61709) 230 V AC, Maximum Load, 40 ° C	876000 h
Output Current	5 A
Output voltage	24 V DC
Output voltage max	28 V DC
Output voltage min	24 V DC
Power Consumption At 120 V AC	1,09 A
Power Consumption At 230 V AC	0,6 A
Power Factor at 120 V AC, full load. Typical	0,98
Power Factor at 230 V AC, full load. Typical	0,91
Power Reduction Of 60 To 70 ° C	3 W/°C
Ripple. max	50 mV pp
Series	Dimension C
Supply Frequency	50-60 ±6 %
Szélesség	32 mm
Teljesítmény	120 W
Temperature Range Without Derating From	-25 °C
Temperature Range Without Derating To	60 °C
Tömeg	0,44 kg
Védőanyag	Alumínium

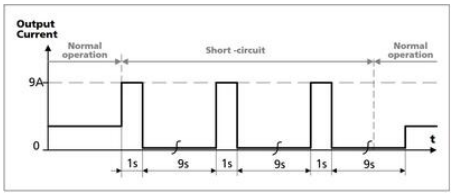




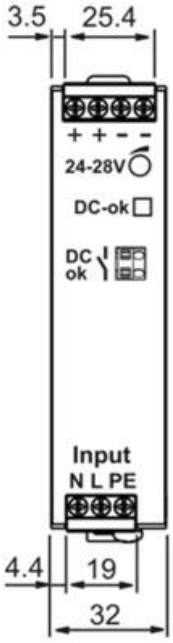


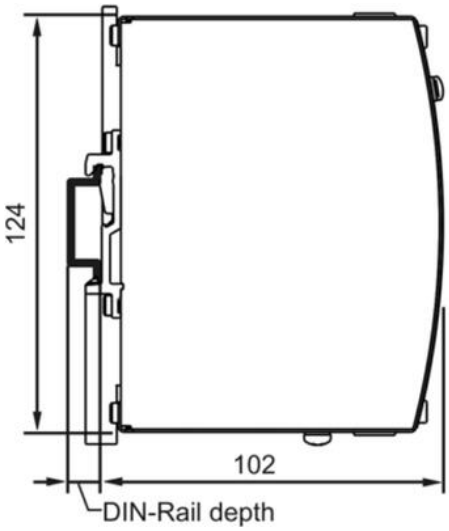

Allowed Output Current at 24V
6A
5A
3.8A
0
B
A
A... 85 to 264Vac, continuous
B... short term
-25
0
45
60
70°C
Ambient Temperature

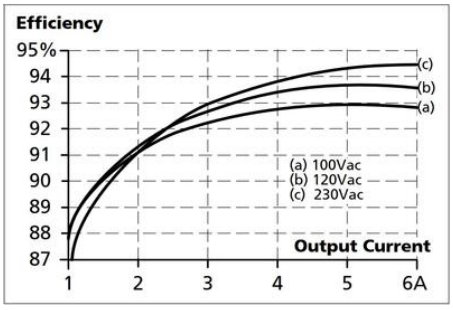

Output Voltage (dynamic behavior, < 12ms)
28V
24
20
16
12
8
4
0
Adjustment Range
Output Current
0 2.5 5 7.5 10 12.5 15 17.5 20 22.5 25A

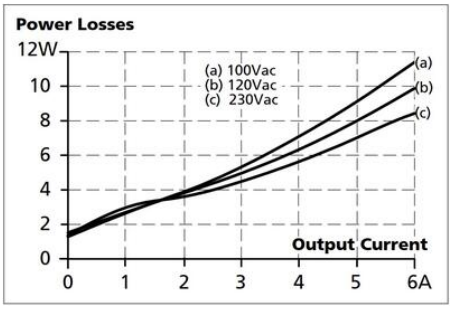

Output Current
Normal operation
Short -circuit
Normal operation
9A
0
t
1s
9s
1s
9s
1s
9s

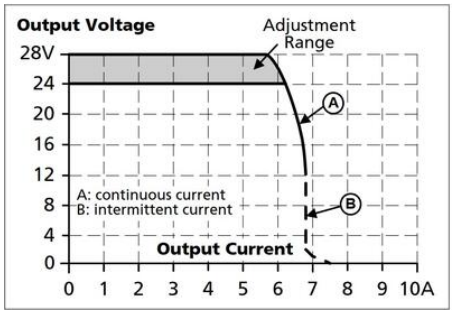

B
+ + - -
DC 24V 5A
24 - 28V
C
DC ok
D
13
14
E
PULS
DIMENSION
CP5.241
Power Supply
AC 100-240V
N L
A

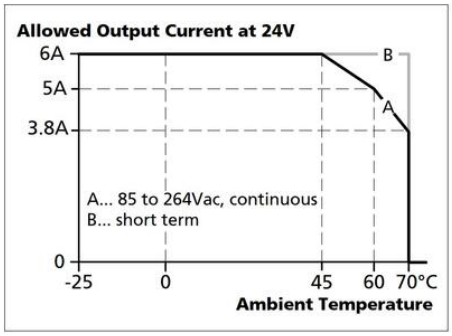

3.5
25.4
+ + - -
24-28V
DC-ok
DC ok
Input
N L PE
4.4
19
32

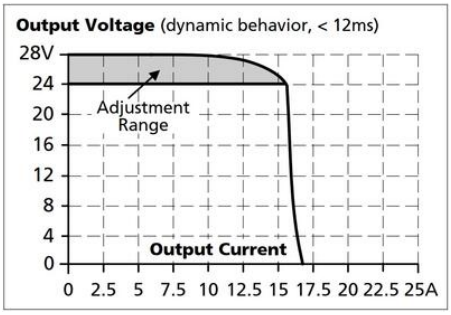

124
102
DIN-Rail depth

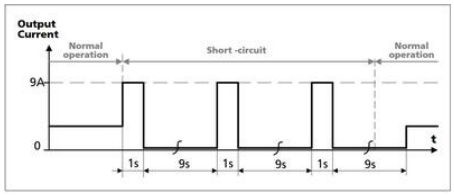

Efficiency
95%
94
93
92
91
90
89
88
87
(c)
(b)
(a)
(a) 100Vac
(b) 120Vac
(c) 230Vac
Output Current
1 2 3 4 5 6A


Power Losses
12W
10
8
6
4
2
0
(a) 100Vac
(b) 120Vac
(c) 230Vac
(a)
(b)
(c)
Output Current
0 1 2 3 4 5 6A


Output Voltage
Adjustment Range
28V
24
20
16
12
8
4
0
A
B
A: continuous current
B: intermittent current
Output Current
0 1 2 3 4 5 6 7 8 9 10A


Allowed Output Current at 24V
6A
5A
3.8A
0
B
A
A... 85 to 264Vac, continuous
B... short term
-25
0
45
60
70°C
Ambient Temperature


Output Voltage (dynamic behavior, < 12ms)
28V
24
20
16
12
8
4
0
Adjustment Range
Output Current
0 2.5 5 7.5 10 12.5 15 17.5 20 22.5 25A


Output Current
Normal operation
Short -circuit
Normal operation
9A
0
t
1s
9s
1s
9s
1s
9s