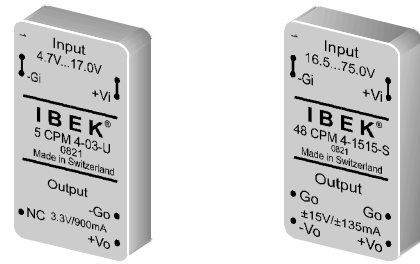


**Single & double outputs**  
**Input to output isolated**  
**I/O Electric strength test voltage 2.0 kVDC**

- Ultra wide 1:4 input voltage ranges
- Very high efficiency up to 84%
- Very low output voltage noise
- Continuous no-load and short-circuit proof
- Extended ambient temperature range -40...+85°C
- DIL 24 case, h = 0.41"
- No derating
- Made in Switzerland, accordingly ISO 9001:2000
- 2 years warranty

**NEW!**

**PRELIMINARY**



**Electromagnetic emission EN 55011**

Conducted and radiated emissions

	5 CPM	24 CPM	48 CPM	
No load input current	90	15	10	mA typ.
Switching frequency	400 kHz typ.			
Output voltage accuracy	± 1%; 3.3 VDC outputs ± 1.5% max.			
Static line regulation	± 0.2% max.			
Static load regulation FL to 10%	0...0.5% max.			
Output voltage noise (20 MHz BW)	30 mVpp typ.			
Output current limitation response	130% typ.			
Efficiency	77% to 84% typ.			
I/O Electric strength test voltage	2000 VDC			
Coupling capacitance	1000 pF			
Ambient temperature range	-U: -40...+71°C;		-S: -40...+85°C	
Case temperature range	-U: -40...+95°C;		-S: -40...+105°C	
Storage temperature range	-U: -40...+105°C;		-S: -40...+105°C	
Case material	Non-conductive plastic, UL94 V-0 rated			
MTBF, GB @ 40°C case	3.300.000 hours			
(MIL-HDBK-217F, Notice 2)				

Standard Types <sup>1</sup>	Input voltage VDC	Output	
		VDC	mA
Single output	4.7...17 <sup>3</sup> (nominal 5)	3.3	900
xx CPM4-03-U		5	700
xx CPM4-05-U		12	340
xx CPM4-12-U	8.0...36 (nominal 24)	15	270
xx CPM4-15-U			
Double output <sup>2</sup>	16.5...75 (nominal 48)	± 3.3	± 450
xx CPM4-0303-U		± 5	± 350
xx CPM4-0505-U		± 12	± 170
xx CPM4-1212-U		± 15	± 135
xx CPM4-1515-U			

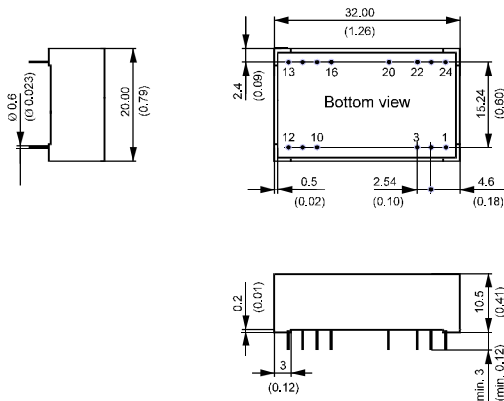
<sup>1</sup> To complete type number replace "xx" by the required nominal input voltage, e.g. 5 CPM4-03-U.

<sup>2</sup> Double outputs should have symmetrical load conditions to comply with the specifications listed on the left side.

<sup>3</sup> Extended temperature range -S is available, except for the Standard Types 5 CPM 4...  
Replace -U by -S on type number, e.g. 48 CPM4-1515-S.

Modifications and customs are available upon request.

Dimensions in mm (inches)



Pin Configuration		
Pin	Single output	Double output
1 <sup>4</sup>	+Vi	+Vi
2	-Gi	-Gi
3	-Gi	-Gi
10	NC	No pin
11	No Pin	-Vo
12 <sup>4</sup>	-Go	No pin
13 <sup>4</sup>	+Vo	-Vo
14	+Vo	+Vo
15 <sup>4</sup>	No pin	+Vo
16	-Go	Go
20 <sup>5</sup>	i	i
22	+Vi	+Vi
23	+Vi	+Vi
24 <sup>4</sup>	-Gi	-Gi

<sup>4</sup> To specify alternative pin configuration (compatible with IPS3-Family) add K to type number, e.g. 24 CPM4-03-UK.

<sup>5</sup> Optional inhibit pin. If required add i to type number, e.g. 24 CPM4-03-Ui, 24 CPM4-03-UiK.