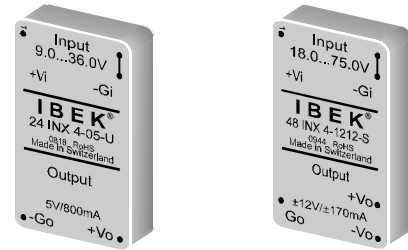


**Single & double outputs**  
**Input to output high isolated**  
**I/O Electric strength test voltage 4.2 kVDC, 3 kVrms**

**NEW!**

- Ultra wide 1:4 input voltage ranges up to 156 VDC
- I/O Clearance and creepage distances 2 mm
- High reliability
- Continuous no-load and short-circuit proof
- Extended ambient temperature range -40...+71°C
- DIL 24 case, h = 0.41"
- No derating
- Made in Switzerland, accordingly ISO 9001:2000
- 2 years warranty



**Safety according to EN 60950 / UL 1950**

Insulation between adjacent primary circuits or between primary and secondary circuits:

- Operational-, Basic- and Supplementary insulation for working voltages up to 420 VDC / 300 VAC
- Reinforced insulation for working voltages up to 210 VDC / 150 VAC

Insulation between adjacent secondary circuits:

- Operational-, Basic-, Supplementary and Reinforced insulation for working voltages up to 420 VDC / 300 VAC

**Electromagnetic emission EN 55022 < B**

Conducted and radiated emissions

110 INX4-types: EN 55022 < A; with external coupling capacitor Cio = 1 nF < B

	24 INX	48 INX	110 INX	
No load input current	8	7	6	mA typ.
Switching frequency	130 kHz typ.			
Output voltage accuracy	± 1% max.			
Static line regulation	± 0.2% typ.			
Static load regulation FL to NL	0...0.5% max.			
Output voltage noise (20 MHz BW)	150 mVpp typ.			
Efficiency	78% to 83% typ.			
I/O Electric strength test voltage	4.2 kVDC, 3 kVrms (50 Hz, 1 min.)			
I/O Clearance and creepage distances	2 mm all over (incl. transformer)			
Coupling capacitance	approx. 7 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: -55...+105°C			
Case material	Non-conductive plastic, UL94 V-0 rated			
MTBF, GB @ 40°C case (MIL-HDBK-217F, Notice 2)	> 3.500.000 hours			

Standard Types <sup>1</sup>	Input voltage VDC	Output	
		VDC	mA
Single output	9...36 (nominal 24) 45 V for 10 ms repetition rate 10 s	3.3	900
xx INX 4-03-U RoHS		5	800
xx INX 4-05-U RoHS		12	340
xx INX 4-12-U RoHS		15	270
xx INX 4-15-U RoHS			
Double output <sup>2</sup>	18...75 (nominal 48)	± 3.3	± 450
xx INX 4-0303-U RoHS	36...156 (nominal 110)	± 5	± 400
xx INX 4-0505-U RoHS		± 12	± 170
xx INX 4-1212-U RoHS		± 15	± 135
xx INX 4-1515-U RoHS			

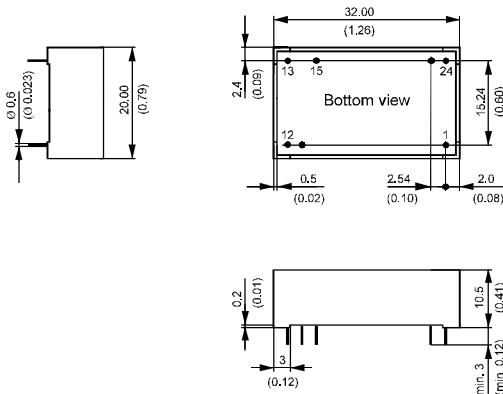
<sup>1</sup> To complete type number replace "xx" by the required nominal input voltage, e.g. 24 INX4-05-U RoHS.

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

Extended temperature range -S is available for all types. Replace -U by -S on type number, e.g. 48 INX4-1212-S RoHS.

Modifications and customs are available upon request.

Dimensions in mm (inches)



Pin Configuration		
Pin	Single output	Double output
1	+Vi	+Vi
11	No Pin	Go
12	-Go	No Pin
13	+Vo	-Vo
15	No Pin	+Vo
23	-Gi	-Gi
24	-Gi	-Gi

Specifications subject to change without notice