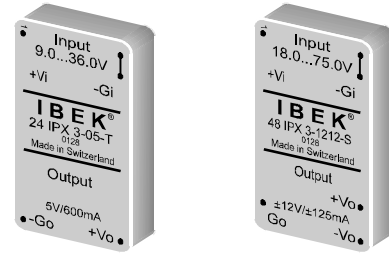


Single & double outputs
Input to output high isolated
I/O Electric strength test voltage 4.2 kVDC, 3 kVrms

- 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...+85°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

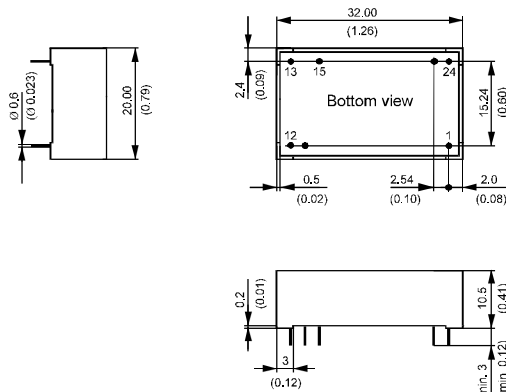
Conducted and radiated emissions
110 IPX3-types: EN 55022 < A; with external coupling capacitor Cio = 1 nF < B

	5 IPX	24 IPX	48 IPX	110 IPX	
No load input current	25	5	3	1.5	mA typ.
Switching frequency	130 kHz typ.				
Output voltage accuracy	± 1% max.; 5 VDC outputs +1/-2% max.				
Static line regulation	± 0.5% typ.				
Static load regulation FL to ¼ L	0...5% typ.				
Output voltage noise (20 MHz BW)	5 VDC	12 VDC	15 VDC	outputs mVpp typ.	
Efficiency	100 120 150				
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) approx. 7 pF				
Coupling capacitance	approx. 7 pF				
Ambient temperature range	-T: -25...+71°C; -S: -40...+85°C				
Case temperature range	-T: -25...+95°C; -S: -40...+105°C				
Storage temperature range	-T: -55...+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)	> 3.900.000 hours				

Standard Types ¹	Input voltage VDC	Output	
		VDC	mA
Single output	4.75...16 (nominal 5)	5	600
xx IPX 3-05-T	9...36 (nominal 24) 45 V for 10 ms repetition rate 10 s	12	250
xx IPX 3-12-T		15	200
xx IPX 3-15-T			
Double output ²	18...75 (nominal 48)	± 5	± 300
xx IPX 3-0505-T	36...156 (nominal 110)	± 12	± 125
xx IPX 3-1212-T		± 15	± 100
xx IPX 3-1515-T			

¹ To complete type number replace "xx" by the required nominal input voltage, e.g. 24 IPX3-05-T.
² 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 -T by -S on type number, e.g. 48 IPX3-1212-S.
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