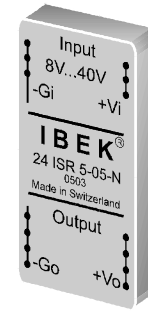


**Single outputs  
Non-isolated**

- Ultra wide input voltage ranges
- Very high efficiency up to 92%
- Inhibit input (optional)
- Excellent dynamic load regulation
- Continuous no-load and short-circuit proof
- Extended ambient temperature range -40...+85°C
- DIL 40 case, h = 0.41"
- Made in Switzerland, accordingly ISO 9001:2000
- 2 years warranty



**Electromagnetic emission EN 55022 < B**  
Conducted and radiated emissions

No load input current	3 mA typ.
Input current in inhibit mode	3 mA max.
Switching frequency	260 kHz
Output voltage accuracy	± 2%
Static line regulation	± 0.5% max.
Static load regulation FL to NL	0...1% max.
Output voltages noise (20 MHz BW)	30 mVpp typ.
Efficiency	87% to 92% typ.
Dynamic load regulation	± 1% max. <sup>1</sup>
Load transient recovery time	100 µs typ. <sup>1</sup>
Inhibit input (i)	Open or apply -0.3...+0.8 VDC for normal operation. Apply +2.4...+5.5 VDC to switch off the output voltage.
Ambient temperature range	-N: 0...+71°C
- Extended	-T: -25...+71°C; -S: -40...+85°C
Case temperature range	-N: 0...+71°C
- Extended	-T: -25...+91°C; -S: -40...+105°C
Storage temperature range	All: -55...+105°C;
Case material	Non-conductive plastic, UL94 V-0 rated
MTBF, GB @ 40°C case	> 4.000.000 hours
(MIL-HDBK-217F, Notice 2)	

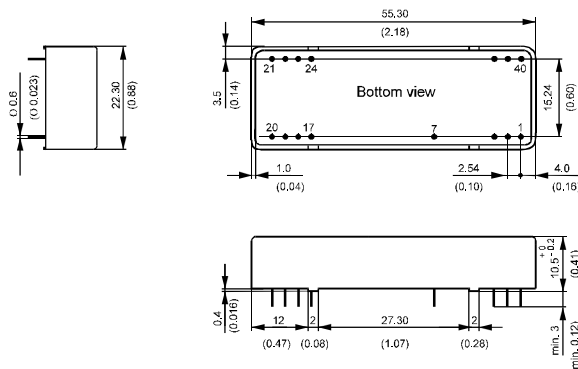
Standard Types	Input voltage VDC	Output	
		VDC	mA
Single output			
24 ISR5-05-N	8...40	5	1000
24 ISR5-12-N	16...40	12	417
24 ISR5-15-N	19...40	15	333
	(nominal 24)		

Extended temperature ranges -T and -S are available for all types. Replace -N by -T or -S on type number, e.g. 24 ISR5-05-S.

Modifications and customs are available upon request.

<sup>1</sup> For 33% load variation with a rise/fall time of ≥ 50 µs

Dimensions in mm (inches)



Pin Configuration	
Pin	Single output
1	-Gi
2	-Gi
3	-Gi
7 <sup>2</sup>	i
17	-Go
18	-Go
19	-Go
20	-Go
21	+Vo
22	+Vo
23	+Vo
24	+Vo
38	+Vi
39	+Vi
40	+Vi

<sup>2</sup> Optional inhibit pin. If required add i to type number, e.g. 24 ISR5-05-Ni.