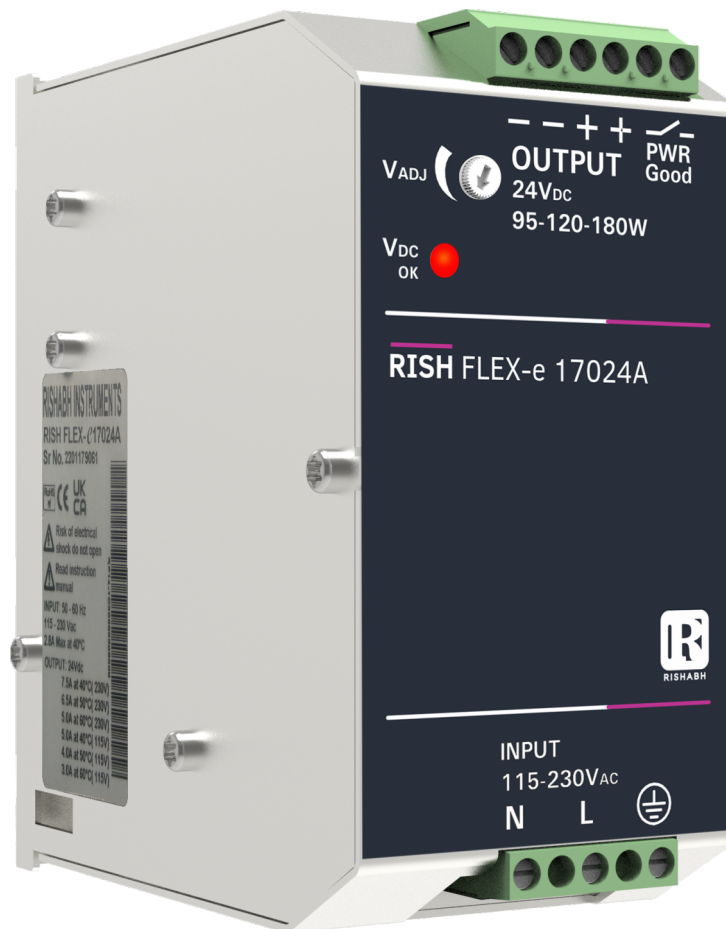




Data Sheet

RISH FLEX-e 17024A

Power Supply



Measure



Control

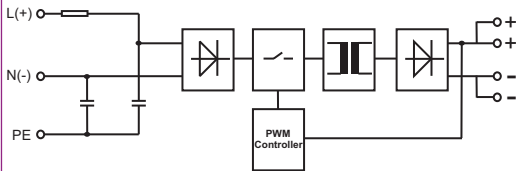


Record

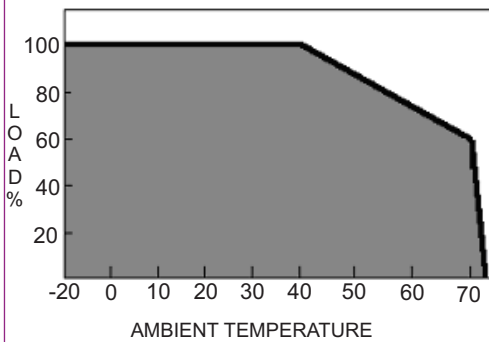


Analyze

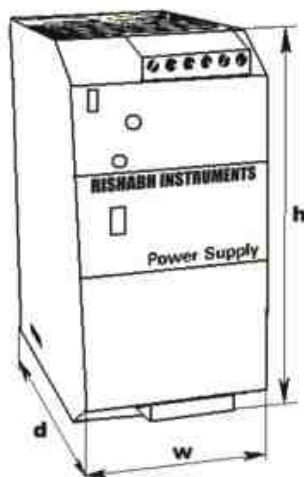
Block diagram:



Temperature derating curve:



Dimensional details:



w x h x d
55 x 110 x 105
all dimensions are in mm

Technical Specifications:

INPUT DATA :

AC input voltage range ^{Note 2}	85 VAC ... 264 VAC
DC input voltage range ^{Note 2}	125 VDC ... 350 VDC
Nominal input voltage	115 VAC / 230 VAC (165 VDC / 325 VDC)
Inrush current	≤ 36 A typical
AC frequency range	45 Hz ... 65 Hz
Input current	1.5 A (230 VAC) , 2.8 A (115 VAC)
Internal fuse	T4 A
External fuse (recommended)	10A (MCB curve B)

OUTPUT DATA :

Nominal output voltage	24 VDC ± 3%	
Adjustment range	22 VDC ... 27 VDC	
Rated current at 24 VDC	7.5 A @ 40 °C (230VAC) 6.5 A @ 50 °C 5 A @ 60 °C	5 A @ 40 °C (115VAC) 4 A @ 50 °C 3 A @ 60 °C
Power boost current @ 60 °C	7.5A (230VAC)	4.5 A (115VAC)
Holdup time	≥ 20 msec (230 VAC)	
Derating	From 60 °C 2.5% per Kelvin	
Line regulation	< 0.1 % (change in input voltage ± 10 %)	
Load regulation	< 1 % (change in load, static 10% ... 90%)	
Dissipation power load max	25 W	
Efficiency	> 87 %	
Residual ripple ^{Note 3}	≤ 120 mVpp	
Short circuit protection	Yes	
Overload protection	Yes (Hiccup mode)	
Overvoltage output protection	Yes (35 VDC Typ.)	
Parallel connection	No	
Series connection	Yes	
Turn on Delay	1.5 Seconds	



Measure



Control

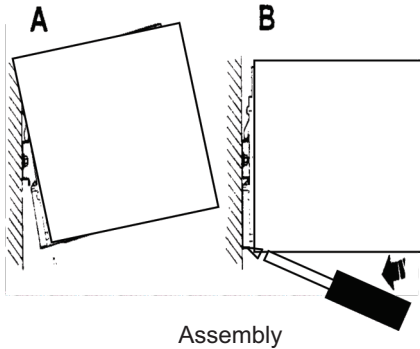


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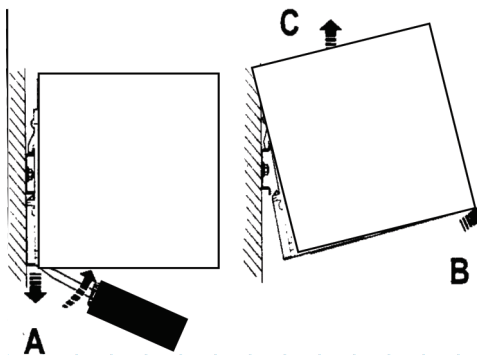


Analyze

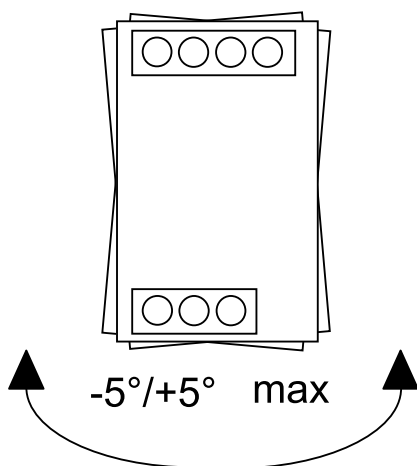
Installation:



Assembly



Disassembly



Maximum angle of Asssembly

Technical Specifications: (cont.)

OUTPUT DATA : (Continued)

Resistance to reverse feed	max. 35 VDC
Power good relay (optional)	Max 30 VDC, 1A (For resistive load EN60947-4-1) Max 60 VAC, 1A Min 5 VDC, 1 mA (Minimum permissive load)

GENERAL DATA :

Isolation voltage input/output	3000V AC (type test) 2000V AC (routine test)
Isolation voltage input/PE	1605V AC (type test) 1500V AC (routine test)
Isolation voltage output/PE	500 V DC (routine test)
Degree of protection	IP20 (EN/IEC 60529)
Protection class	I, with PE connected
MTBF	> 5,00,000 h in acc. with IEC 61709 (SN 29500)
Type of housing	Aluminum
Housing material	Aluminum
Dimensions W / H / D	55 mm / 110 mm / 105 mm
Weight	0.5 kg approx.
Connection terminal blocks	Screw type 2.5 mm ²

CLIMATIC DATA :

Ambient temperature (operation)	-25 °C ... +70 °C (>60 °C derating)
Ambient temperature (storage)	-40 °C ... +85 °C
Humidity at 25 °C	95 % (no condensation)
Pollution degree environment	2 (in acc. with EN 50178)
Climatic class	3K3 (in acc. with EN 60721)



Measure



Control

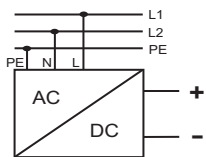
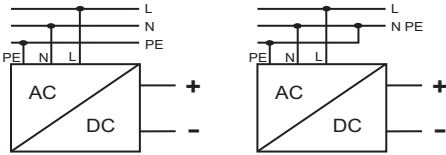


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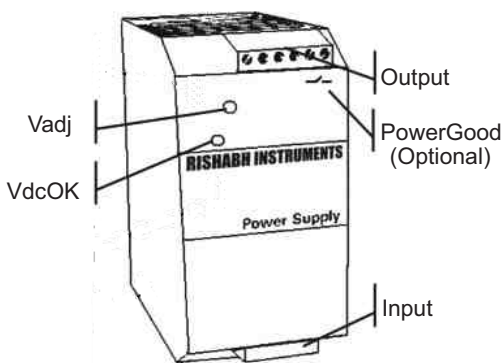


Analyze

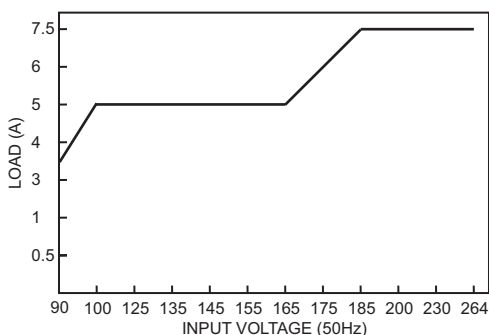
Electrical Connection:



Layout:



Output characteristics:



Technical Specifications: (cont.)

STANDARDS :

Electrical safety:

Assembling device	IEC/EN 60950 (VDE 0805) EN 50178 (VDE 0160)
Installation according	IEC/EN 60950
Input/output separation	EN 60950-1(SELV) , EN 60204-1(PELV) Double or reinforced insulation

EMC standards immunity	EN 61000-4-2 EN 61000-4-3 EN 61000-4-4 EN 61000-4-5
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EMC standards emission	EN 61000-6-4 EN 61000-3-2
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Safety of electrical equipment for machines	EN 60204-1
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Note:

- 1) All parameters not specifically mentioned are measured at 230VAC input, Rated load and 25°C of ambient temperature.
- 2) For input voltage < 100VAC / 142VDC, 2.5% per V Derating needed. Please check output characteristics curve for more details.
- 3) Ripple and noise are measured at 20MHz of bandwidth short length lead terminated with a 0.1uF & 47uF parallel capacitor.

Order Code	Input Voltage	Output Voltage	Output Current	Power Range
RF14-1C00000000000	115 V AC/ 230V AC	24 V DC	7.5 A	120 to 180 W



Measure



Control



Record



Analyze



RISHABH

All specifications are subject to change without notice



Measure



Control



Record



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