WENZHOU LEICHI TECHNOLOGY CO., LTD.
温州雷驰科技有限公司

LCTC®

SWITCHING POWER SUPPLY

PRODUCT CATALOG

开关电源产品目录

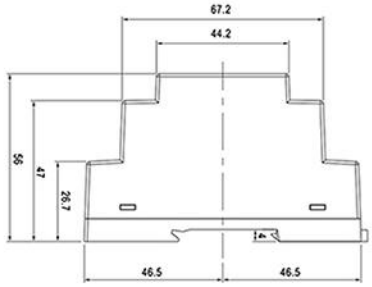
2026.02

▶ DR-15- □

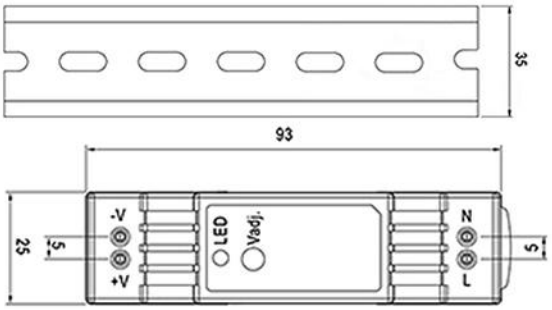
DR-15-□
5/12/15/24

Schematic Diagram Of Guide Rail（导轨示意图）

■ Product Size

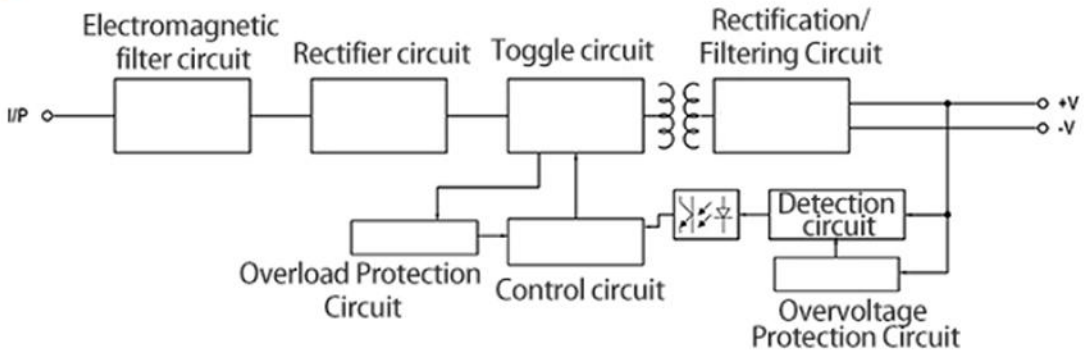


Case Model: 985A Unit: mm

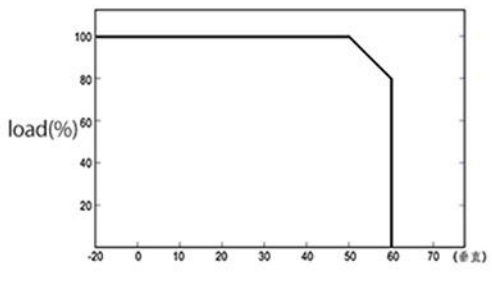


Mounting rail: TS357.5 or TS35/15

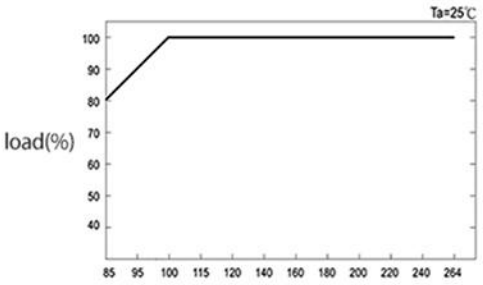
■ Block Diagram



■ Derating Curve



■ Output Derating Curve



Model number		DR-15-5	DR-15-12	DR-15-15	DR-15-24
Output	DC voltage	5V	12V	15V	24V
	Rated current	2.4A	1.25A	1A	0.63A
	Current range	0~2.4A	0~1.25A	0~1A	0~0.63A
	Rated power	12W	15W	15W	15.2W
	Ripple and Noise Remarks (Note 2)	80mV$_{P-P}$	120mV$_{P-P}$	120mV$_{P-P}$	150mV$_{P-P}$
	Voltage adjustment range	4.75~5.5V	10.8~13.2V	13.5-16.5V	21.6-26.4V
	Voltage Accuracy (Note 3)	±2.0%	±1.0%	±1.0%	±1.0%
	Linear adjustment rate	±1.0%	±1.0%	±1.0%	±1.0%
	load regulation rate	±1.0%	±1.0%	±1.0%	±1.0%
	Start-up, rise time	1000ms, 50ms/230VAC 1000ms, 50ms/115VAC (full load)			
	Hold Time (Typ.)	70ms/230VAC 16ms/115VAC (full load)			
input	Voltage range	85 ~ 264 VAC or 120 ~ 370 VDC			
	Frequency Range	47~63Hz			
	Efficiency (Typ.)	77%	84%	83.5%	85%
	AC Current (Typ.)	0.88A/115VAC 0.48A/230VAC			
	Inrush current (Typ.)	Cold Start: 35A/115VAC 65A/230VAC			
Protect	Overload (Note 5)	105% ~ 160% of rated output power Protection mode: constant current limit, automatic recovery after the load abnormal condition is removed.			
	Overvoltage	5.75~6.75V	13.8~16.2V	17.25~20.25V	27.6~32.4V
		Protection Mode: Shutdown Output Voltage, Diode Clamped			
Surrou -ndings	Operating temperature	-20°C~+60°C (Please refer to "Derating Curve")			
	Working humidity	20-90% RH,no condensation			
	Storage temperature and humidity	-40~ +85C，10~ 95% RH			
	Temperature Coefficient	±0.03%/°C (0~50°C)			
	Vibration resistance	10~ 500Hz, 2G 10 minutes/cycle, X, Y, Z axis each 60 minutes; Installation: Comply with IEC60068-2-6			
Safety and EMC (Note 4)	Safety regulations	UL60950-1.TUV EN60950-1 certified, designed in accordance with EN50178			
	Pressure resistance	I/P-O/P:3KVAC			
	Insulation impedance	I/P-O/P:100M Ohms/500VDC/25°C/70% RH			
	Electromagnetic Compatible Emissions	Complies with EN55011, EN55032 (CISPR32), EN61204-3 Class B, EN61000-3-2,-3			
	Electromagnetic Compatibility Interference	Compliant with EN61000-4-2,3, 4,5, 6, 8, 11, EN55024. EN61000-6-2, EN61204-3. Class A heavy industry standard			
other	MTBF	⩾1172.3K hrs. MIL-HDBK-217F (25°C)			
	size	25*93*56mm (W*H*L)			
	Packing	0.1Kg; 140pcs/15Kg/0.92CUFT			

Note

1. Unless otherwise specified, all specifications are measured under the input of 230VAC. Rated load and 25°C ambient temperature.
2. Ripple and noise measurement method: use a 12" twisted pair, and the terminals should be connected in parallel with 0.1uf and 47uf capacitors, and measure at 20MHZ.
3. Accuracy: including setting error, linear adjustment rate and load adjustment rate.
4. The power supply should be regarded as a part of the components in the system, and it is necessary to confirm the electrical knock compatibility in conjunction with the final motion equipment.
5. The constant current operation specification is 60%~100% of the rated output voltage, the short circuit protection mode is hiccup mode, and it will automatically recover after the abnormal condition is removed.

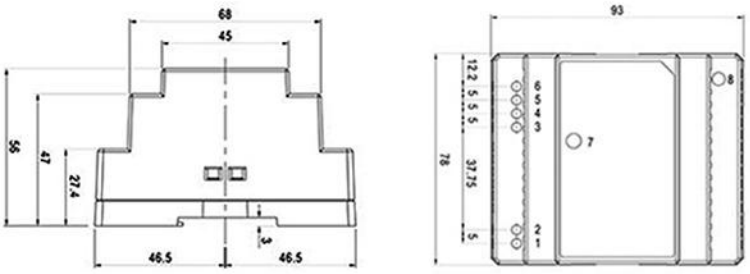
DR-60-□

5/12/15/24

Schematic Diagram Of Guide Rail（导轨示意图）

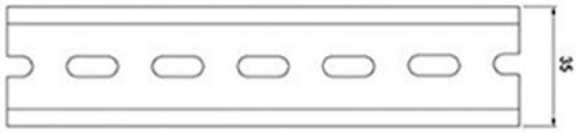
■ Product Size

Unit: mm



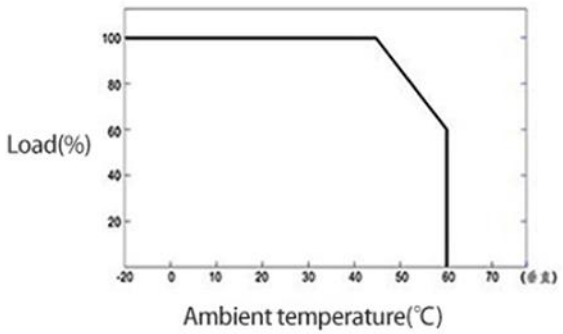
Terminal pin definition

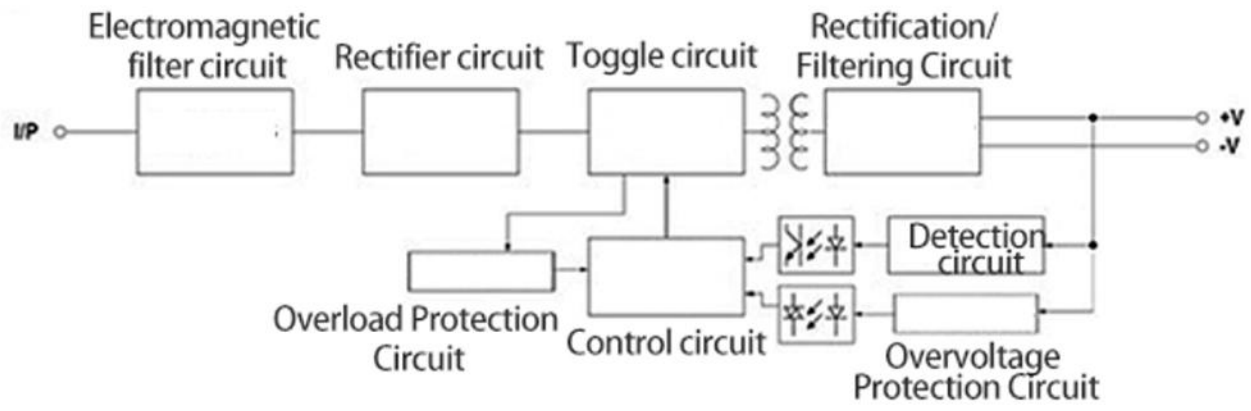
pin number	pin function	pin number	pin function
1	AC/N	5.6	-V
2	AC/L	7	LED
3.4	+V	8	+V ADJ.



Mounting rail: TS357.5 or TS35/15

■ Block Diagram





Model number		DR-60-5	DR-60-12	DR-60-15	DR-60-24
Output	DC voltage	5V	12V	15V	24V
	Rated current	6.5A	5.0A	4.0A	2.5A
	Current range	0~6.5A	0~5.0A	0~4.0A	0~2.5A
	Rated power	32.5W	60W	60W	60W
	Ripple and Noise Remarks (Note 2)	80mV$_{P-P}$	120mV$_{P-P}$	120mV$_{P-P}$	150mV$_{P-P}$
	Voltage adjustment range	4.7~6V	12~14V	13~17V	23-28V
	Voltage Accuracy (Note 3)	±2.0%	±2.0%	±2.0%	±1.0%
	Linear adjustment rate	±0.5%	±0.5%	±0.5%	±0.5%
	load regulation rate	±1.0%	±1.0%	±1.0%	±1.0%
	Start-up, rise time	100ms, 50ms/230VAC 200ms, 50ms/115VAC (full load)			
	Hold Time (Typ.)	100ms/230VAC 23ms/115VAC (full load)			
input	Voltage range	100 ~ 240 VAC or 140 ~ 370 VDC			
	Frequency Range	50~60Hz			
	Efficiency (Typ.)	78%	82%	83%	84%
	AC Current (Typ.)	1.2A/115VAC 0.8A/230VAC			
	Inrush current (Typ.)	Cold Start: 18A/115VAC 36A/230VAC			
		<2mA / 240VAC			
Protect	Overload (Note 5)	105% ~ 160% of rated output power Protection mode: constant current limit, automatic recovery after the load abnormal condition is removed.			
	Overvoltage	5.75~6.9V	15~16.5V	17~20V	29~33V
		Protection mode: turn off the output voltage, restart to restore			
Surrou -ndings	Operating temperature	-10°C~+60°C			
	Working humidity	20~90% RH,no condensation			
	Storage temperature and humidity	-10~ +75C，10~ 95% RH			
	Temperature Coefficient	±0.03%/°C (0~50°C)			
	Vibration resistance	10~ 500Hz, 2G 10 minutes/cycle, X, Y, Z axis each 60 minutes; Installation: Comply with IEC60068-2-6			
Safety and EMC (Note 4)	Safety regulations	UL508.UL60950-1 TUV EN60950-1, EAC TPTC 004 Compliance Certification			
	Pressure resistance	I/P-O/P:3KVAC I/P-FG:2.0KVA O/P-FG:0.4KVAC			
	Insulation impedance	I/P-O/P,I/P-FG,O/P-FG:100M Ohms/500VDC/25°C/70% RH			
	Electromagnetic Compatible Emissions	Complies with EN55011, EN55032 (CISPR32)CLASS B, EN61000-3-2,-3,EAC TPTC 020			
	Electromagnetic Compatibility Interference	Compliant with EN61000-4-2,3, 4,5, 6, 8, 11, EN55024. EN61000-6-2, (EN50082). Class A heavy industry standard			
other	MTBF	≥441K hrs. MIL-HDBK-217F (25°C)			
	size	78*93*56mm (L*H*W)			
	Packing	0.25Kg; 50pcs/15Kg			

Note

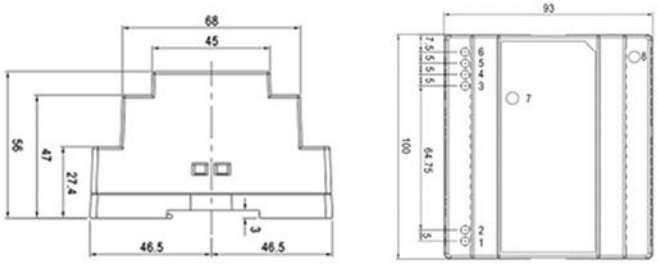
1. Unless otherwise specified, all specifications are measured under the input of 230VAC. Rated load and 25°C ambient temperature.
2. Ripple and noise measurement method: use a 12" twisted pair, and the terminals should be connected in parallel with 0.1uf and 47uf capacitors, and measure at 20MHZ.
3. Accuracy: including setting error, linear adjustment rate and load adjustment rate.
4. The power supply should be regarded as a part of the components in the system, and it is necessary to confirm the electrical knock compatibility in conjunction with the final motion equipment.
5. The constant current operation specification is 60%~100% of the rated output voltage, the short circuit protection mode is hiccup mode, and it will automatically recover after the abnormal condition is removed.

DR-100-□
12/24

Schematic Diagram Of Guide Rail（导轨示意图）

■ Product Size

Unit: mm

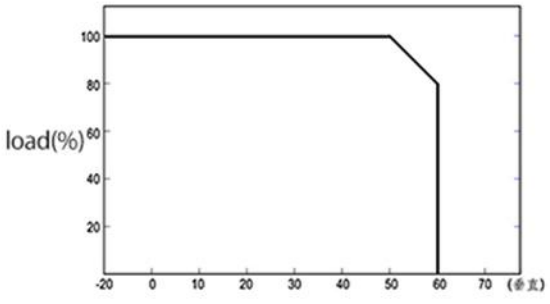


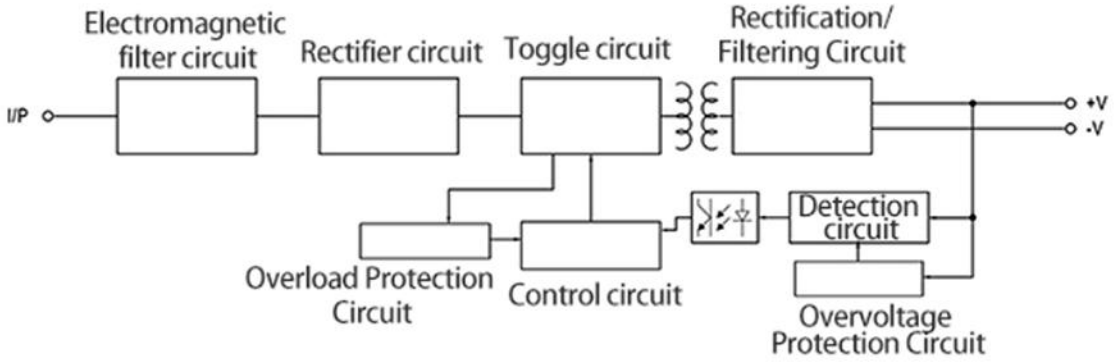
Terminal pin definition

pin number	pin function	pin number	pin function
1	AC/L(+)	5.6	-V
2	AC/N(-)	7	LED
3.4	+V	8	+V ADJ.

Mounting rail: TS357.5 or TS35/15

■ Block Diagram





Model number		DR-100-12	DR-100-24
Output	DC voltage	12V	24V
	Rated current	7.5A	4.2A
	Current range	0~7.5A	0~4.2A
	Rated power	90W	100.8W
	Ripple and Noise Remarks (Note 2)	$120mV_{P-P}$	$150mV_{P-P}$
	Voltage adjustment range	12~15V	24~29V
	Voltage Accuracy (Note 3)	±2.0%	±1.0%
	Linear adjustment rate	±1.0%	±1.0%
	load regulation rate	±1.0%	±1.0%
	Start-up, rise time	2700ms, 80ms/230VAC	2700ms, 50ms/115VAC (full load)
	Hold Time (Typ.)	50ms/230VAC	18ms/115VAC (full load)
input	Voltage range	88 ~ 264 VAC or 124 ~ 370 VDC [By connecting AC/L(+), AC/N(-) can realize DC input]	
	Frequency Range	47~63Hz	
	Efficiency (Typ.)	87%	89%
	AC Current (Typ.)	3A/115VAC	1.6A/230VAC
	Inrush current (Typ.)	Cold Start: 30A/115VAC	45A/230VAC
		Turn off the output voltage and recover after restart	
Protect	Overload (Note 5)	105% ~ 160% of rated output power Protection mode: constant current limit, automatic recovery after the load abnormal condition is removed.	
	Overvoltage	16~20V	19~23V
		Protection Mode: Shutdown Output Voltage, Diode Clamped	
Surrou -ndings	Operating temperature	-20°C~+60°C (Please refer to "Derating Curve")	
	Working humidity	20-90% RH,no condensation	
	Storage temperature and humidity	-40~ +85C， 10~ 95% RH	
	Temperature Coefficient	±0.03%/°C (0~50°C)	
	Vibration resistance	10~ 500Hz, 2G 10 minutes/cycle, X, Y, Z axis each 60 minutes; Installation: Comply with IEC60068-2-6	
Safety and EMC (Note 4)	Safety regulations	UL60950-1.TUV EN60950-1 certified, designed in accordance with EN50178	
	Pressure resistance	I/P-O/P:3KVAC	
	Insulation impedance	I/P-O/P:100M Ohms/500VDC/25°C/70% RH	
	Electromagnetic Compatible Emissions	Complies with EN61204-3, EN55032 , Class B, EN61000-3-2,-3	
	Electromagnetic Compatibility Interference	Compliant with EN61000-4-2,3, 4,5, 6, 8, 11, EN55024. EN61000-6-2, EN61204-3. Class A heavy industry standard	
other	MTBF	≥486K hrs. MIL-HDBK-217F (25°C)	
	size	100*93*56mm (L*H*W)	
	Packing	0.35Kg; 36pcs/13.6Kg/0.89CUFT	

Note

1. Unless otherwise specified, all specifications are measured under the input of 230VAC. Rated load and 25°C ambient temperature.
2. Ripple and noise measurement method: use a 12" twisted pair, and the terminals should be connected in parallel with 0.1uf and 47uf capacitors, and measure at 20MHZ.
3. Accuracy: including setting error, linear adjustment rate and load adjustment rate.
4. The power supply should be regarded as a part of the components in the system, and it is necessary to confirm the electrical knock compatibility in conjunction with the final motion equipment.
5. The constant current operation specification is 60%~100% of the rated output voltage, the short circuit protection mode is hiccup mode, and it will automatically recover after the abnormal condition is removed.

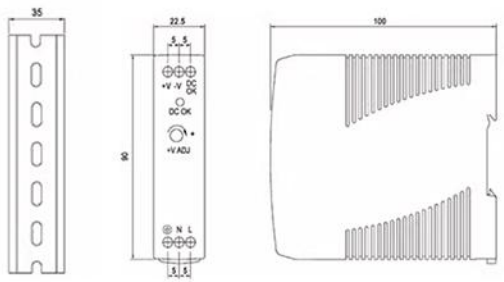
MDR-20-□

5/12/24

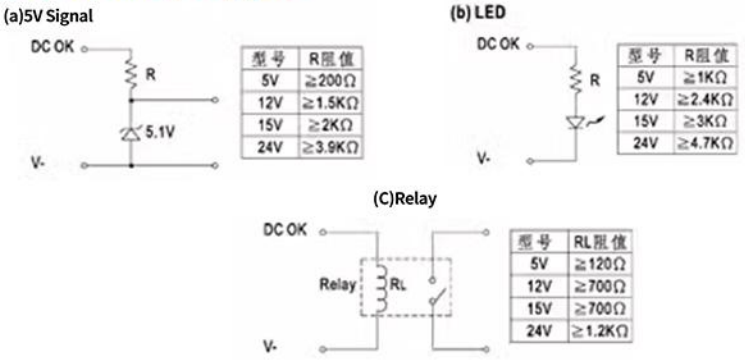
Schematic Diagram Of Guide Rail（导轨示意图）

■ Product Size

Case Model: 962A Unit: mm

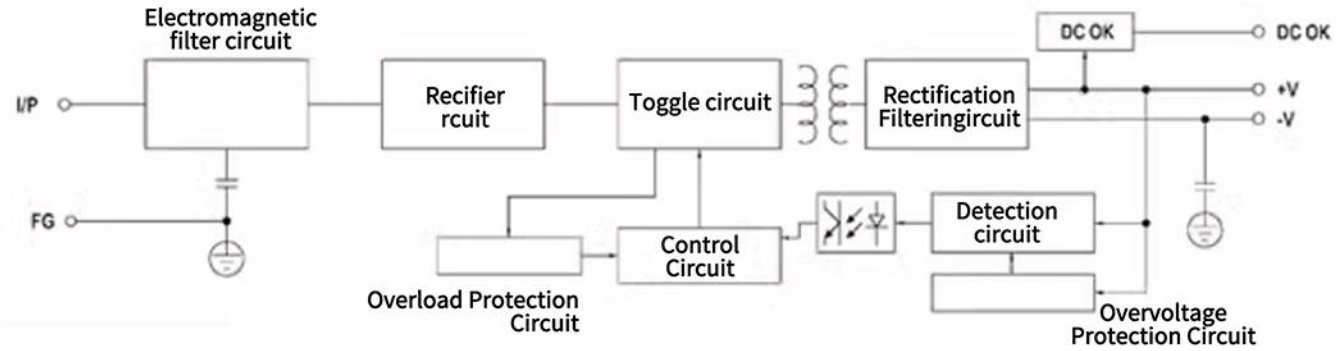


■ DC OK Relay Triggers

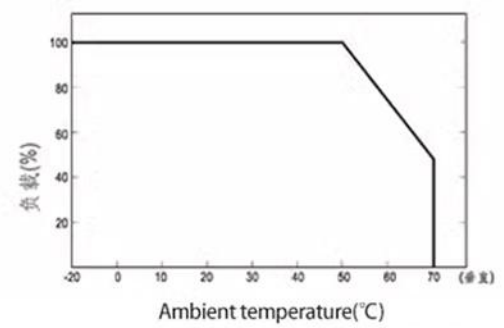


■ Block Diagram

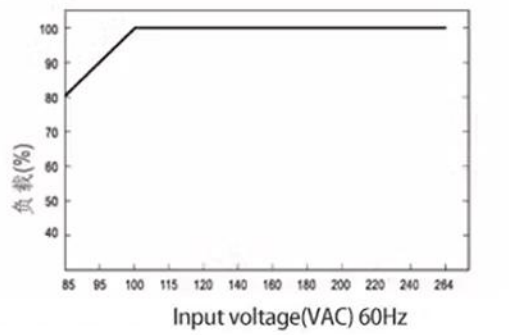
Frequency:60KHz



■ Derating Curve



■ Input Voltage VS Output Derating Curve



	Model number	MDR-20-5	MDR-20-12	MDR-20-24
Output	DC voltage	5V	12V	24V
	Rated current	3A	1.67A	1A
	Current range	0~3A	0~1.67A	0~1A
	Rated power	15W	20W	24W
	Ripple and Noise Remarks (Note 2)	80mV$_{P-P}$	120mV$_{P-P}$	150mV$_{P-P}$
	Voltage adjustment range	4.75~5.5V	10.8~13.2V	21.6~26.4V
	Voltage Accuracy (Note 3)	±2.0%	±1.0%	±1.0%
	Linear adjustment rate	±1.0%	±1.0%	±1.0%
	load regulation rate	±1.0%	±1.0%	±1.0%
	Start-up, rise time	500ms, 30ms/230VAC	1000ms, 30ms/115VAC (full load)	
	Hold Time (Typ.)	50ms/230VAC	20ms/115VAC (full load)	
Input	Voltage range	85 ~ 264 VAC or 120 ~ 370 VDC		
	Frequency Range	47~63Hz		
	Efficiency (Typ.)	76%	80%	84%
	AC Current (Typ.)	0.55A/115VAC	0.35A/230VAC	
	Inrush current (Typ.)	Cold Start: 20A/115VAC	40A/230VAC	
	Leakage current	≤1mA/ 240VAC		
Protect	Overload (Note 5)	105% ~ 160% of rated output power Protection mode: constant current limit, automatic recovery after the load abnormal condition is removed.		
	Overvoltage	5.75~6.75V	13.8~16.2V	27.6~32.4V
		Protection mode: turn off the output voltage, recover after restart		
Function	DC OK signal	3.75~6V/50mA	9~13.5V/40mA	18~27V/20mA
Surrou-ndings	Operating temperature	-20℃~+70℃ (Please refer to "Derating Curve")		
	Working humidity	20-90% RH,no condensation		
	Storage temperature and humidity	-40~ +85C，10~ 95% RH		
	Temperature Coefficient	±0.03%/℃ (0~50℃)		
	Vibration resistance	10~500Hz, 2G 10 minutes/cycle, X, Y, Z axis each 60 minutes; Installation: Comply with IEC60068-2-6		
Safety and EMC (Note 4)	Safety regulations	UL508, UL62368-1, TUV BS EN/EN62368-1,Class I, Div. 2 GroupA, B, C,D Hazardous Locations T4,EAC TP TC 004. BSMI CNS14336-1.AS/NZS 60950.1. IS13252(Part1) /IEC60950-1 Certification passed		
	Pressure resistance	I/P-O/P:3KVAC	I/P-FG:2KVAC	O/P-FG:0.5KVAC
	Insulation impedance	I/P-O/P, I/P-FG, O/P-FG: > 100M Ohms/500VDC/25℃/70% RH		
	Electromagnetic Compatible Emissions	Complies with BS EN/EN55032 (CISPR32), BS EN/EN61204-3 Class B, BS EN/EN61000-3-2,-3, EAC TP TC 020, CNS13438 Class B .		
	Electromagnetic Compatibility Interference	Compliant with EN/EN61000-4-2,3, 4,5, 6, 8, 11, EN/EN55024, EN/EN610 00-6-2, EN61204-3. Class A heavy industry standard , EAC TP TC 020		
Other	MTBF	≥236.9K hrs. MIL-HDBK-217F(25°C)		
	Size	22.5*90*100mm		
	Packing	0.17Kg; 72pcs/13.2Kg/0.91CUFT		

Note

1. Unless otherwise specified, all specifications are measured under the input of 230VAC. Rated load and 25°C ambient temperature.
2. Ripple and noise measurement method: use a 12" twisted pair, and the terminals should be connected in parallel with 0.1uf and 47uf capacitors, and measure at 20MHZ.
3. Accuracy: including setting error, linear adjustment rate and load adjustment rate.
4. The power supply should be regarded as a part of the components in the system, and it is necessary to confirm with the final motion equipment.
5. Start-up time is measured at a cold start, and frequent power on and off may result in longer start-up times.
6. When the height of the poster exceeds 2000 meters (6500 feet), the ambient temperature of the fanless model drops at a rate of 3.5°C/1000m, and the ambient temperature of the fan model drops at a rate of 5°C/1000m.

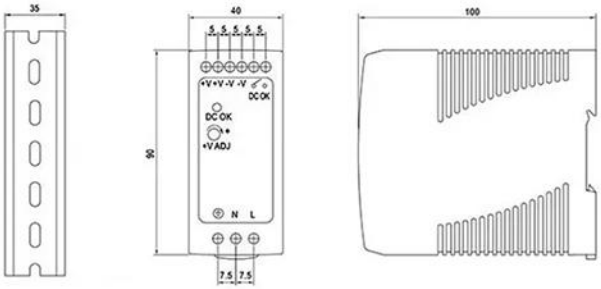
MDR-40- □

5/12/24/48

Schematic Diagram Of Guide Rail（导轨示意图）

■ Product Size

Case Model: 962A Unit: mm

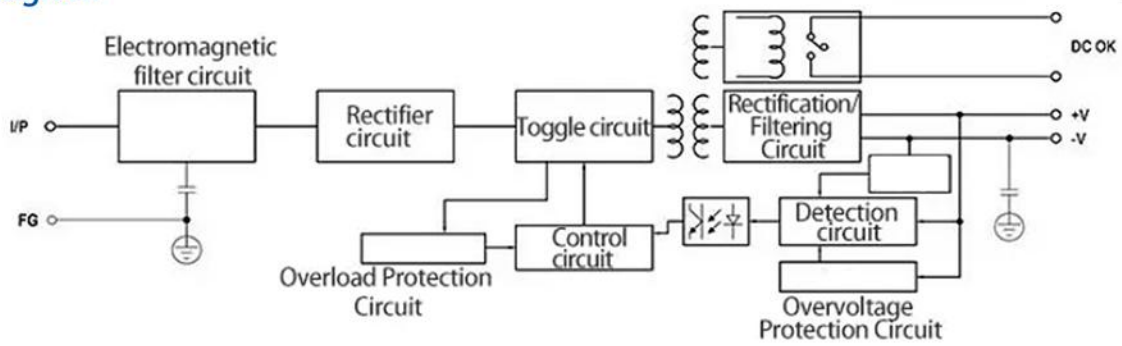


■ DC OK Relay Triggers

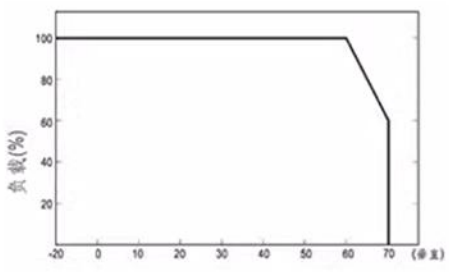
Contact closed	Power ON/DC OK
Contacts open	Power off/DC failure
Contact (max)	30V/1A resistive load

■ Block Diagram

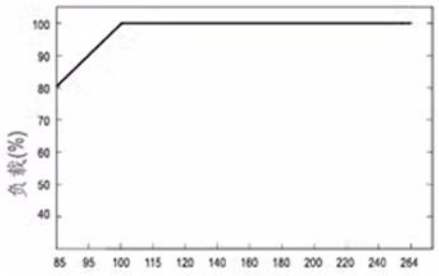
Frequency:60KHz



■ Derating Curve



■ Input Voltage VS Output Derating Curve



	Model number	MDR-40-5	MDR-40-12	MDR-40-24	MDR-40-48
Output	DC voltage	5V	12V	24V	48V
	Rated current	6A	3.33A	1.7A	0.83A
	Current range	0~6A	0~3.33A	0~1.7A	0~0.83A
	Rated power	30W	40W	40.8W	39.8W
	Ripple and Noise Remarks (Note 2)	80mV$_{P-P}$	120mV$_{P-P}$	150mV$_{P-P}$	200mV$_{P-P}$
	Voltage adjustment range	5-6V	12~15V	24~30V	48~56V
	Voltage Accuracy (Note 3)	±2.0%	±1.0%	±1.0%	±1.0%
	Linear adjustment rate	±1.0%	±1.0%	±1.0%	±1.0%
	load regulation rate	±1.0%	±1.0%	±1.0%	±1.0%
	Start-up, rise time	500ms, 30ms/230VAC		500ms, 30ms/115VAC (full load)	
	Hold Time (Typ.)	50ms/230VAC 20ms/115VAC (full load)			
Input	Voltage range	85 ~ 264 VAC or 120 ~ 370 VDC			
	Frequency Range	47~63Hz			
	Efficiency (Typ.)	78%	86%	88%	88%
	AC Current (Typ.)	1.1A/115VAC		0.7A/230VAC	
	Inrush current (Typ.)	Cold Start: 30A/115VAC 60A/230VAC			
	Leakage current	≤1mA/ 240VAC			
Protect	Overload (Note 5)	105% ~ 160% of rated output power Protection mode: constant current limit, automatic recovery after the load abnormal condition is removed.			
	Overvoltage	6.25~7.25V	15.6~18V	31.2~36V	57.6~64.8V
		Protection mode: turn off the output voltage, recover after restart			
Function	DC OK signal	Relay contact (max): 30V/1A resistive load			
Surrou-ndings	Operating temperature	-20℃~+70℃ (Please refer to "Derating Curve")			
	Working humidity	20-90% RH,no condensation			
	Storage temperature and humidity	-40~ +85C，10~ 95% RH			
	Temperature Coefficient	±0.03%/℃ (0~50℃)			
	Vibration resistance	10~500Hz, 2G 10 minutes/cycle, X, Y, Z axis each 60 minutes; Installation: Comply with IEC60068-2-6			
Safety and EMC (Note 4)	Safety regulations	UL508, UL62368-1, TUV BS EN/EN62368-1,Class I, Div. 2 GroupA, B, C,D Hazardous Locations T4,EAC TP TC 004. BSMI CNS14336-1.AS/NZS 60950.1. IS13252(Part1) /IEC60950-1 Certification passed			
	Pressure resistance	I/P-O/P:3KVAC	I/P-FG:2KVAC	O/P-FG:0.5KVAC	
	Insulation impedance	I/P-O/P, I/P-FG, O/P-FG: > 100M Ohms/500VDC/25℃/70% RH			
	Electromagnetic Compatible Emissions	Complies with BS EN/EN55032 (CISPR32), BS EN/EN61204-3 Class B, BS EN/EN61000-3-2,-3, EAC TP TC 020, CNS13438 Class B .			
	Electromagnetic Compatibility Interference	Compliant with EN/EN61000-4-2,3, 4,5, 6, 8, 11, EN/EN55024, EN/EN610 00-6-2, EN61204-3. Class A heavy industry standard , EAC TP TC 020			
Other	MTBF	≥301.7K hrs. MIL-HDBK-217F(25°C)			
	Size	40*90*100mm			
	Packing	0.3Kg; 42pcs/13.6Kg/0.82CUFT			

Note

1. Unless otherwise specified, all specifications are measured under the input of 230VAC. Rated load and 25°C ambient temperature.
2. Ripple and noise measurement method: use a 12" twisted pair, and the terminals should be connected in parallel with 0.1uf and 47uf capacitors, and measure at 20MHZ.
3. Accuracy: including setting error, linear adjustment rate and load adjustment rate.
4. The power supply should be regarded as a part of the components in the system, and it is necessary to confirm with the final motion equipment.
5. Start-up time is measured at a cold start, and frequent power on and off may result in longer start-up times.
6. When the height of the poster exceeds 2000 meters (6500 feet), the ambient temperature of the fanless model drops at a rate of 3.5°C/1000m, and the ambient temperature of the fan model drops at a rate of 5°C/1000m.

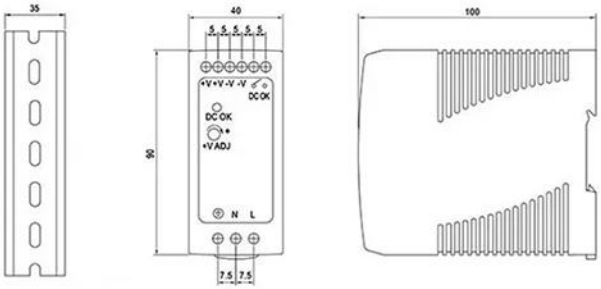
MDR-60- □

5/12/24/48

Schematic Diagram Of Guide Rail（导轨示意图）

■ Product Size

Case Model: 962A Unit: mm

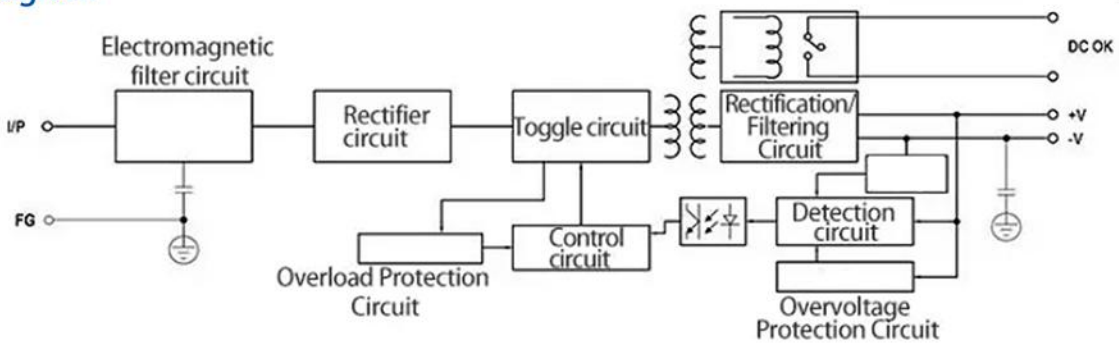


■ DC OK Relay Triggers

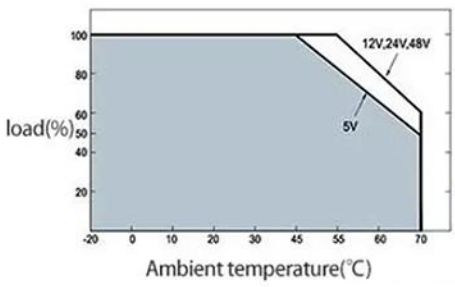
Contact closed	Power ON/DC OK
Contacts open	Power off/DC failure
Contact (max)	30V/1A resistive load

■ Block Diagram

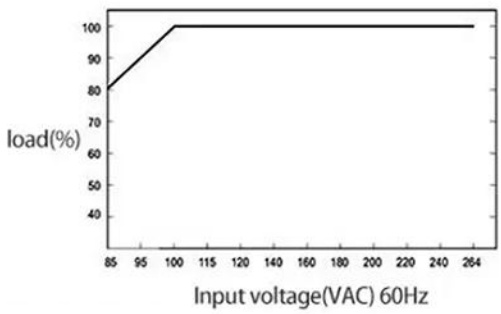
Frequency:60KHz



■ Derating Curve



■ Input Voltage VS Output Derating Curve



Model number		MDR-60-5	MDR-60-12	MDR-60-24	MDR-60-48
Output	DC voltage	5V	12V	24V	48V
	Rated current	10A	5A	2.5A	1.25A
	Current range	0~10A	0~5A	0~2.5A	0~1.25A
	Rated power	50W	60W	60W	60W
	Ripple and Noise Remarks (Note 2)	80mV$_{P-P}$	120mV$_{P-P}$	150mV$_{P-P}$	200mV$_{P-P}$
	Voltage adjustment range	5~6V	12~15V	24~30V	48~56V
	Voltage Accuracy (Note 3)	±2.0%	±1.0%	±1.0%	±1.0%
	Linear adjustment rate	±1.0%	±1.0%	±1.0%	±1.0%
	load regulation rate	±1.5%	±1.0%	±1.0%	±1.0%
	Start-up, rise time	500ms,30ms/230VAC 500ms,30ms/115VAC (full load)			
	Hold Time (Typ.)	50ms/230VAC 20ms/115VAC(full load)			
input	Voltage range	85 ~ 264 VAC or 120 ~ 370 VDC			
	Frequency Range	47~63Hz			
	Efficiency (Typ.)	78%	86%	88%	87%
	AC Current (Typ.)	1.8A/115VAC 1A/230VAC			
	Inrush current (Typ.)	Cold Start: 30A/115VAC 60A/230VAC			
	Leakage current	<1mA/240VAC			
Protect	Overload (Note 5)	105% ~ 150% of rated output power Protection mode: constant current limit, automatic recovery after the load abnormal condition is removed.			
	Overvoltage	6.25~7.25V	15.6~18V	31.2-36V	57.6~64.8V
		Protection Mode: Shutdown Output Voltage, Diode Clamped			
Surrou -ndings	Operating temperature	-20°C~+70°C (Please refer to "Derating Curve")			
	Working humidity	20-90% RH,no condensation			
	Storage temperature and humidity	-40~ +85C， 10~ 95% RH			
	Temperature Coefficient	±0.03%/°C (0~50°C)			
	Vibration resistance	10~ 500Hz, 2G 10 minutes/cycle, X, Y, Z axis each 60 minutes; Installation: Comply with IEC60068-2-6			
Safety and EMC (Note 4)	Safety regulations	UL508UL62368-1,TUV BS EN/EN62368-1.Class1 rardouslosatons T4EACPTC 004BSMNS14336 D 60950.1.IS13252(Part1)7EC60950-1 Certification bassed			
	Pressure resistance	I/P-O/P:3KVACIP-FG:2KVAC O/P-FG:0.5KVAC			
	Insulation impedance	VP-O/P,VP-FG,O/P-FG:>100M Oms/500VDC/25C/70% RH			
	Electromagnetic Compatible Emissions	Complies with BS EN/EN55032(CISPR32)BS ENEN61204-3 Class B BSEN/EN610003-2-3EACTPTC020CNS13438 CiassB			
	Electromagnetic Compatibility Interference	Compliant with EN61000-4-2.3, 4.5, 6, 8, 11, EN55024. EN61000-6-2, EN61204-3. Class A heavy industry standard			
other	MTBF	⩾1172.3K hrs. MIL-HDBK-217F (25°C)			
	size	40*90*100mm (W*H*L)			
	Packing	0.33Kg:42pcs/14.8Kg/0.82CUFT			
Funct-ion	DC OK signal	Relay contact (max): 30V/1A resistive load			

Note

1. Unless otherwise specified, all specifications are measured under the input of 230VAC. Rated load and 25°C ambient temperature.
2. Ripple and noise measurement method: use a 12" twisted pair, and the terminals should be connected in parallel with 0.1uf and 47uf capacitors, and measure at 20MHZ.
3. Accuracy: including setting error, linear adjustment rate and load adjustment rate.
4. The power supply should be regarded as a part of the components in the system, and it is necessary to confirm the electrical knock compatibility in conjunction with the final motion equipment.
5. Start-up time is measured at a cold start, and frequent power on and off may result inlonger start-up times.
6. When the height of the poster exceeds 2000 meters (6500 feet), the ambienttemperature of the fanless model drops at a rate of 3.5’ C/1000m, and the ambienttemperature of the fan model drops at a rate of 5° C/1000m.

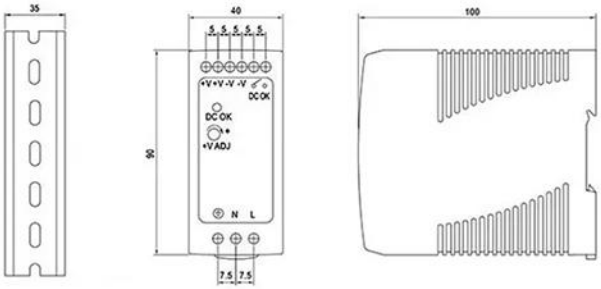
MDR-100-□

12/24/48

Schematic Diagram Of Guide Rail（导轨示意图）

■ Product Size

Case Model: 962A Unit: mm

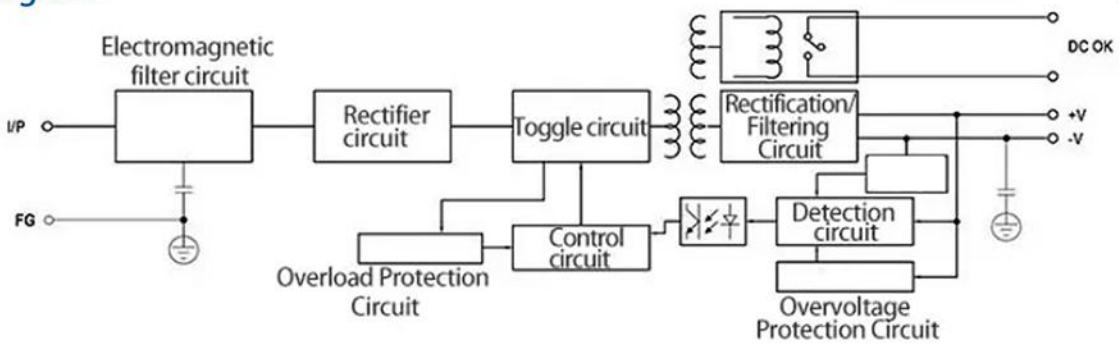


■ DC OK Relay Triggers

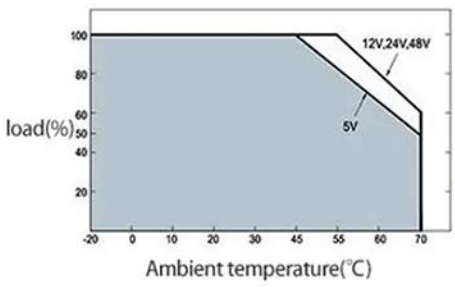
Contact closed	Power ON/DC OK
Contacts open	Power off/DC failure
Contact (max)	30V/1A resistive load

■ Block Diagram

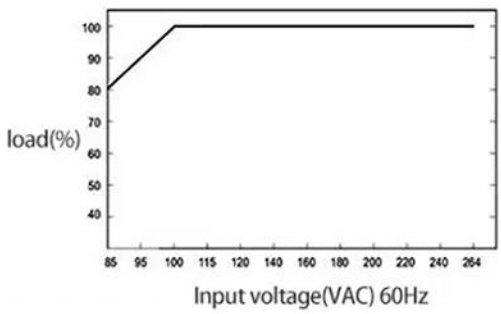
Frequency:60KHz



■ Derating Curve



■ Input Voltage VS Output Derating Curve



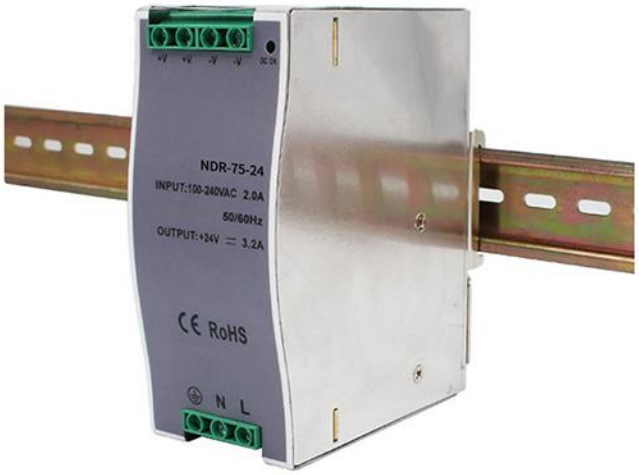
	Model number	MDR-100-12	MDR-100-24	MDR-100-48
Output	DC voltage	12V	24V	48V
	Rated current	7.5A	4A	2A
	Current range	0~7.5A	0~4A	0~2A
	Rated power	90W	96W	96W
	Ripple and Noise Remarks (Note 2)	120mV$_{P-P}$	150mV$_{P-P}$	200mV$_{P-P}$
	Voltage adjustment range	12~15V	24~30V	48~56V
	Voltage Accuracy (Note 3)	±1.0%	±1.0%	±1.0%
	Linear adjustment rate	±1.0%	±1.0%	±1.0%
	load regulation rate	±1.0%	±1.0%	±1.0%
	Start-up, rise time	500ms,30ms/230VAC 500ms,30ms/115VAC (full load)		
	Hold Time (Typ.)	50ms/230VAC 20ms/115VAC(full load)		
input	Voltage range	85 ~ 264 VAC or 120 ~ 370 VDC		
	Frequency Range	47~63Hz		
	Efficiency (Typ.)	83%	88%	87%
	Functional factors	1.8A/115VAC 1A/230VAC		
	AC Current (Typ.)	PF≥0.95/230VAC PF≥0.98/115VAC (full load)		
	Inrush current (Typ.)	Cold Start: 30A/115VAC 60A/230VAC		
	Leakage current	<1mA/240VAC		
Protect	Overload (Note 5)	105% ~ 150% of rated output power Protection mode: constant current limit, automatic recovery after the load abnormal condition is removed.		
	Overvoltage	15.6~18V	31.2~36V	57.6~64.8V
		Protection Mode: Shutdown Output Voltage, Diode Clamped		
	Over temperature	Turn off the output voltage, automatically recover or recover after restart		
Surrou -ndings	Operating temperature	-10°C~+60°C (Please refer to "Derating Curve")		
	Working humidity	20-90% RH,no condensation		
	Storage temperature and humidity	-40~ +85C，10~ 95% RH		
	Temperature Coefficient	±0.03%/°C (0~50°C)		
	Vibration resistance	10~ 500Hz, 2G 10 minutes/cycle, X, Y, Z axis each 60 minutes; Installation: Comply with IEC60068-2-6		
Safety and EMC (Note 4)	Safety regulations	UL508, TUV EN 60950-1 Certification passed60950.1.IS13252(Part1)7EC60950-1 Certification basse		
	Pressure resistance	I/P-O/P:3KVACIP-FG:2KVAC O/P-FG:0.5KVAC		
	Insulation impedance	VP-O/P,VP-FG,O/P-FG:>100M Oms/500VDC/25C/70% RH		
	Electromagnetic Compatible Emissions	Complies with BS EN/EN55032(CISPR32)BS ENEN61204-3 Class B BSEN/EN610003-2-3EACTPTC020CNS13438 ClassB		
	Electromagnetic Compatibility Interference	Compliant with EN61000-4-2,3, 4,5, 6, 8, 11, EN55024. EN61000-6-2, EN61204-3. Class A heavy industry standard		
other	MTBF	≥346K hrs. MIL-HDBK-217F (25°C)		
	size	55*90*100mm (L*H*W)		
	Packing	0.42Kg; 30pcs/13.6Kg/0.82CUFT		
Funct-ion	DC OK signal	Relay contact (max): 30V/1A resistive load		

Note

1. Unless otherwise specified, all specifications are measured under the input of 230VAC. Rated load and 25°C ambient temperature.
2. Ripple and noise measurement method: use a 12" twisted pair, and the terminals should be connected in parallel with 0.1uf and 47uf capacitors, and measure at 20MHZ.
3. Accuracy: including setting error, linear adjustment rate and load adjustment rate.
4. The power supply should be regarded as a part of the components in the system, and it is necessary to confirm the electrical knock compatibility in conjunction with the final motion equipment.
5. Start-up time is measured at a cold start, and frequent power on and off may result inlonger start-up times.
6. When the height of the poster exceeds 2000 meters (6500 feet), the ambienttemperature of the fanless model drops at a rate of 3.5' C/1000m, and the ambienttemperature of the fan model drops at a rate of 5° C/1000m.

NDR-75- □

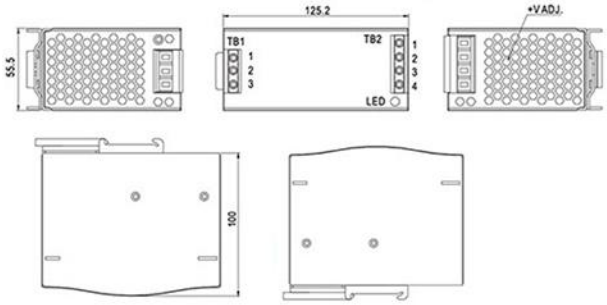
12/24/48



Schematic Diagram Of Guide Rail（导轨示意图）

■ Product Size

Case Model: 923 Unit: mm



Terminal pin definition (TB1)

Pin number	Pin function
1	FG⏚
2	AC/N(DC+)
3	AC/L(DC-)

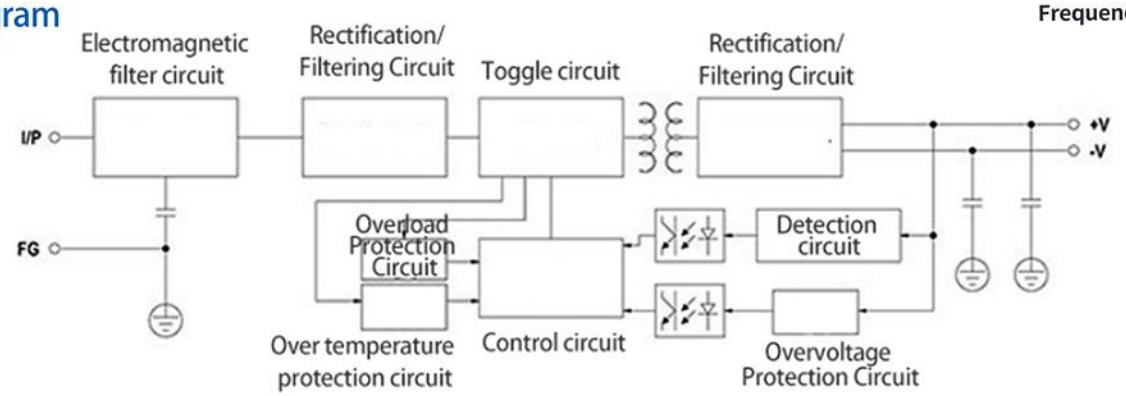
Terminal pin definition (TB2)

Pin number	Pin function
1,2	DC OUTPUT +V
3,4	DC OUTPUT -V

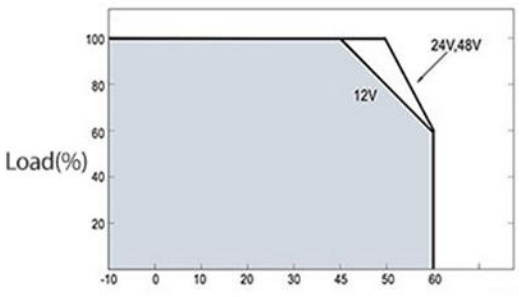
Mounting rail: TS357.5 or TS35/15

■ Block Diagram

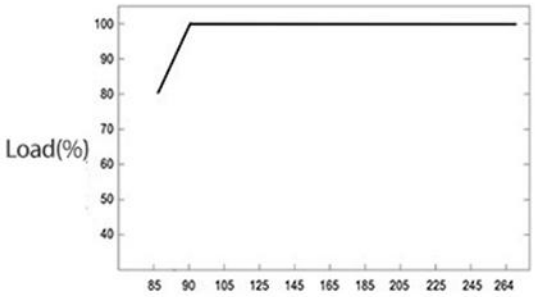
Frequency: 50KHz



■ Derating Curve



■ Input Voltage VS Output Derating Curve



	Model number	NDR-75-12	NDR-75-24	NDR-75-48
Output	DC voltage	12V	24V	48V
	Rated current	6.3A	3.2A	1.6A
	Current range	0~6.3A	0~3.2A	0~1.6A
	Rated power	76W	76.8W	76.8W
	Ripple and Noise Remarks (Note 2)	100mV$_{P-P}$	150mV$_{P-P}$	240mV$_{P-P}$
	Voltage adjustment range	12~14V	24~28V	48~53V
	Voltage Accuracy (Note 3)	±2.0%	±1.0%	±1.0%
	Linear adjustment rate	±0.5%	±0.5%	±0.5%
	load regulation rate	±1.0%	±1.0%	±1.0%
	Start-up, rise time	1000ms, 60ms/230VAC 1800ms, 60ms/115VAC (full load)		
	Hold Time (Typ.)	60ms/230VAC 12ms/115VAC (full load)		
input	Voltage range	85 ~ 264 VAC or 120 ~ 370 VDC		
	Frequency Range	47~63Hz		
	Efficiency (Typ.)	76%	80%	81%
	AC Current (Typ.)	1.6A/115VAC 0.96A/230VAC		
	Inrush current (Typ.)	Cold Start: 20A/115VAC 40A/230VAC		
	Leakage current	<1mA / 240VAC		
Protect	Overload	105% ~ 150% of rated output power Protection mode: constant current limit, automatic recovery after the load abnormal condition is removed.		
	Overvoltage	15~16.5V	29~34V	58~65V
		Protection mode: turn off the output, restore after restart		
	Over temperature	85°C±15°C (TSW1: Detecting power transistor heat sink)		
		Protection mode: turn off the output, when the temperature returns to normal, it can automatically recover		
Surrou-ndings	Operating temperature	-10°C~+60°C (Please refer to "Derating Curve")		
	Working humidity	20-90% RH,no condensation		
	Storage temperature and humidity	-20~ +85°C, 10~ 95% RH		
	Temperature Coefficient	±0.03%/°C (0~50°C)		
	Vibration resistance	10~ 500Hz, 2G 10 minutes/cycle, X, Y, Z axis each 60 minutes; Installation: Comply with IEC60068-2-6		
Safety and EMC (Note 4)	Safety regulations	UL508, TUV EN 60950-1 ,EAC TOP TC 004 Certification passed		
	Pressure resistance	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC		
	Insulation impedance	I/P-O/P, I/P-FG, O/P-FG:>100M Ohms/500VDC/25°C/70% RH		
	Electromagnetic Compatible Emissions	Complies with EN55011, EN55032 (CISPR32)Class B, EN61000-3-2 EAC TPTC 020		
	Electromagnetic Compatibility Interference	Comply with EN61000-4-2, 3,4, 5, 6, 8.11, EN55024, EN61000-6-2, (EN50082-2), Class A heavy industry standard , EAC TP TC 020		
other	MTBF	≥123.1K hrs. MIL-HDBK-217F (25°C)		
	Size	55.5*100*125.2mm (L*W*H)		
	Packing	0.6Kg; 20pcs/13.6Kg/1.29CUFT		

Note

1. Unless otherwise specified, all specifications are measured under the input of 230VAC. Rated load and 25°C ambient temperature.
2. Ripple and noise measurement method: use a 12" twisted pair, and the terminals should be connected in parallel with 0.1uf and 47uf capacitors, and measure at 20MHZ.
3. Accuracy: including setting error, linear adjustment rate and load adjustment rate.
4. The power supply should be regarded as a part of the components in the system, and it is necessary to confirm the electrical knock compatibility in conjunction with the final motion equipment.
5. When the height of the poster exceeds 2000 meters (6500 feet), the ambient temperature of the fanless model drops at a rate of 3.5°C/1000m, and the ambient temperature of the fan model drops at a rate of 5°C/1000m.

▶ NDR-120-□

NDR-120-□

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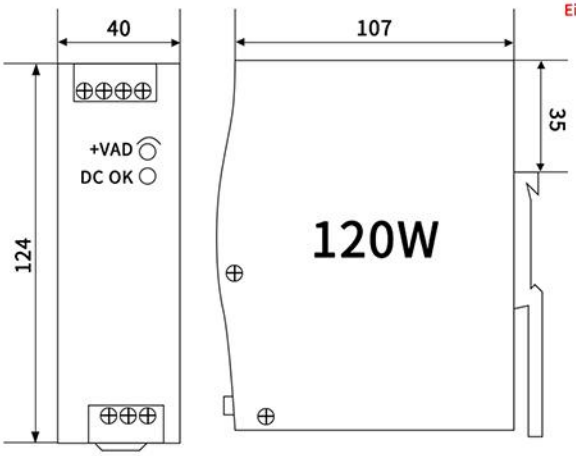
■ Product Size

Einheit: mm



Model number	NDR-120-12	NDR-120-24
DC output voltage	12V	24V
Output current	10A	5A
Ripples and noise	100mV$_{P-P}$	120mV$_{P-P}$
Voltage Accuracy	±3.0%	±2.0%
Load stability	±1.0%	±1.0%
Efficiency	85%	88%
Voltage adjustable range	±10%	±10%
AC input voltage range	90-132VAC 180-264VAC	
AC Inrush current	Cold-start current	
Overload protection	105% --130% cut outputspring return,auto retum	
Overvoltage protection	115% / 145% protection mode: stop output volt,resta outputrt	
Start and rise time	1200ms 60ms / 230VAC 2300ms 60ms / 115VAC	
Pressure resistance	IP-O/P:3K VAC, 1/P-FG:2K VAC, O/P-FG:0.5K VAC,	
Isolation resistor	I/P-O/P, I/P-FG, O/P-FG:500VDC/100MΩ	
Working temperature	-10℃~ +60°C	
Working humidity	20% ~ 90%RH	
Safety standards	Complies with GB4943	

NDR-240-□

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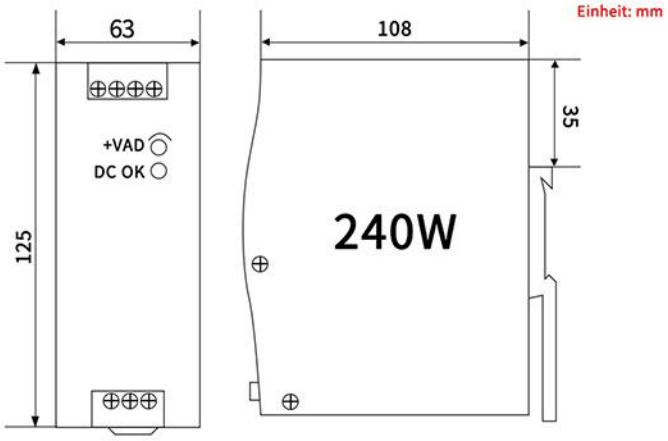
■ Product Size



Model number	NDR-240-12	NDR-240-24	NDR-240-48
DC output voltage	12V	24V	48V
Output current	20A	10A	5A
Ripples and noise	160mV$_{P-P}$	150mV$_{P-P}$	150mV$_{P-P}$
Voltage Accuracy	±2.0%	±1.0%	±1.0%
Load stability	±1.0%	±1.0%	±1.0%
Efficiency	88%	88.5%	90%
Voltage adjustable range	±1.0%	±0.5%	±0.5%
AC input voltage range	90-132VAC 180-264VAC		
AC Inrush current	Cold-start current		
Overload protection	105% --130% cut outputspring return,auto retum		
Overvoltage protection	115% / 145% protection mode: stop output volt,resta outputrt		
Start and rise time	1200ms 60ms / 230VAC 2300ms 60ms / 115VAC		
Pressure resistance	IP-O/P:3K VAC, 1/P-FG:2K VAC, O/P-FG:0.5K VAC,		
Isolation resistor	I/P-O/P, I/P-FG, O/P-FG:500VDC/100MΩ		
Working temperature	-10℃~ +60°C		
Working humidity	20% ~ 90%RH		
Safety standards	Complies with GB4943		

(For 110V to 220V switching, please contact support for customization.)

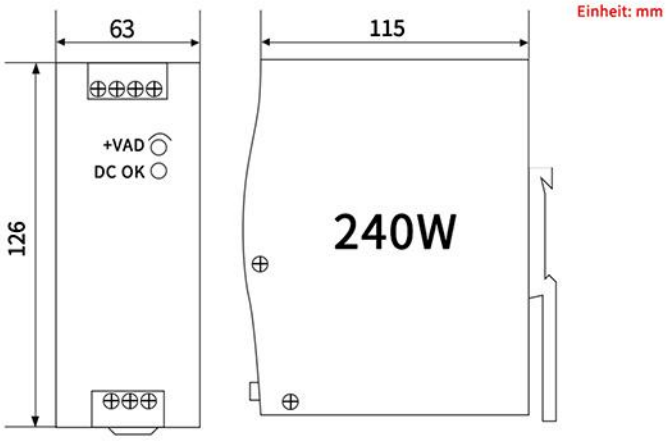
▶ NDR-240-□ (Includes PFC, 110V/220V switchable)

NDR-240-□

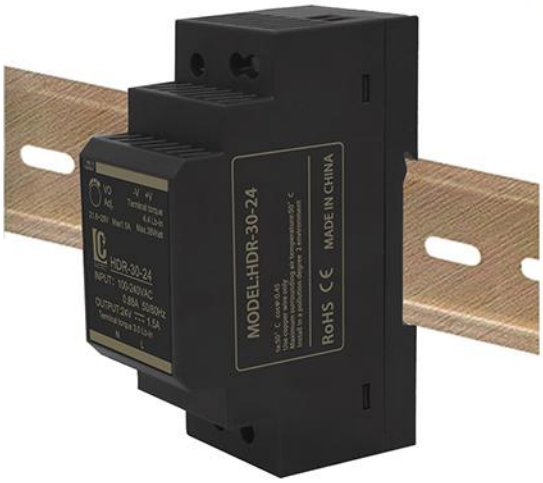
12/24/48

■ Product Size

Einheit: mm



Model number	NDR-240-12	NDR-240-24	NDR-240-48
DC output voltage	12V	24V	48V
Output current	20A	10A	5A
Ripples and noise	160mV$_{P-P}$	150mV$_{P-P}$	150mV$_{P-P}$
Voltage Accuracy	±2.0%	±1.0%	±1.0%
Load stability	±1.0%	±1.0%	±1.0%
Efficiency	88%	88.5%	90%
Voltage adjustable range	±1.0%	±0.5%	±0.5%
AC input voltage range	100-240VAC		
AC Inrush current	Cold-start current		
Overload protection	105% --130% cut outputspring return,auto retum		
Overvoltage protection	115% / 145% protection mode: stop output volt,resta outputrt		
Start and rise time	1200ms 60ms / 230VAC 2300ms 60ms / 115VAC		
Pressure resistance	IP-O/P:3K VAC, 1/P-FG:2K VAC, O/P-FG:0.5K VAC,		
Isolation resistor	I/P-O/P, I/P-FG, O/P-FG:500VDC/100MΩ		
Working temperature	-10℃~ +60°C		
Working humidity	20% ~ 90%RH		
Safety standards	Complies with GB4943		

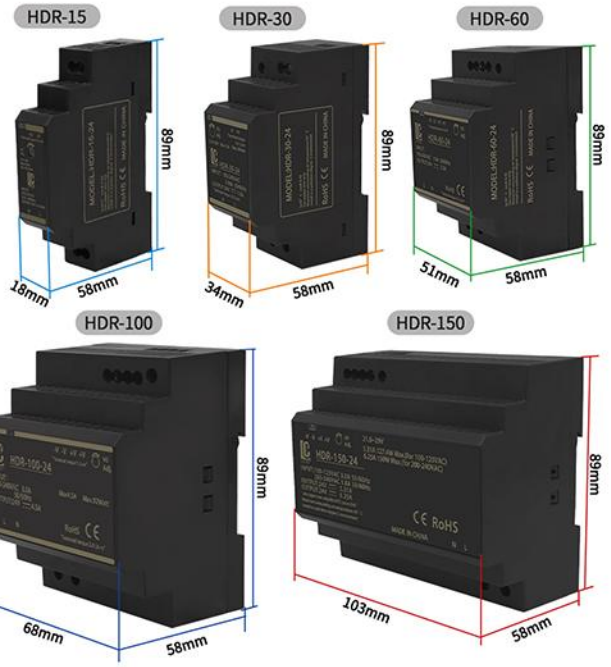


HDR- [ ] - [ ]

15/30/60/100/150

5/12/24/48

■ Product Size



Model	Input voltage	Output voltage	Output current	Output power
HDR-15-5	100-240VAC	5V	2.5A	15W
HDR-15-12	100-240VAC	12V	1.25A	15W
HDR-15-24	100-240VAC	24V	0.63A	15.2W
HDR-30-5	100-240VAC	5V	6A	24W
HDR-30-12	100-240VAC	12V	2.5A	24W
HDR-30-24	100-240VAC	24V	1.5A	36W
HDR-60-5	100-240VAC	5V	12A	60W
HDR-60-12	100-240VAC	12V	5A	60W
HDR-60-24	100-240VAC	24V	2.5A	60W
HDR-60-48	100-240VAC	48V	1.25A	60W
HDR-100-12	100-240VAC	12V	7.5A	92W
HDR-100-24	100-240VAC	24V	4.5A	92W
HDR-100-48	100-240VAC	48V	1.92A	92W
HDR-150-12	100-120VAC 200-240VAC	12V	10.2A/11.3A	122.4W/134.6W
HDR-150-24	100-120VAC 200-240VAC	24V	5.31A/6.25A	127.4W/150W
HDR-150-48	100-120VAC 200-240VAC	48V	2.72A/3.2A	130.6W/153.6W