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TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
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Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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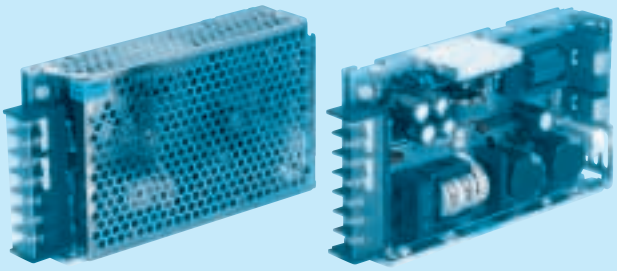
Visit our website - *Click HERE*

COSEL AC-DC Power Supplies Enclosed type

R100U

R

RoHS



Ordering information

R 100 U -5 -□

① ② ③ ④ ⑤

①Series name
②Output wattage
③UL recognized,TÜV approved,CSA certified
④Output voltage
⑤Optional *2
C :with Coating
G :Low leakage current
N :with Cover

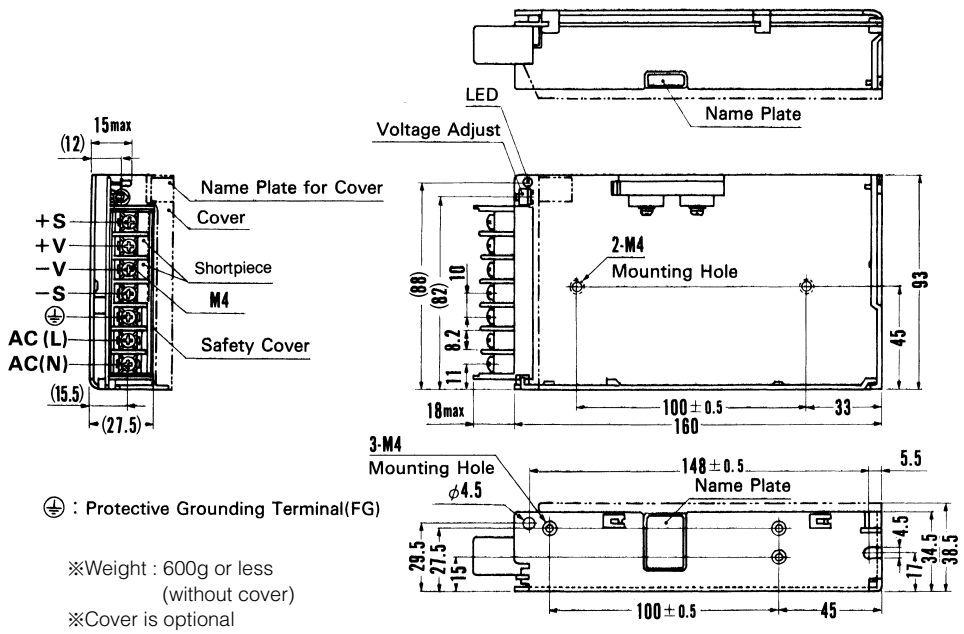
MODEL	R100U-3	R100U-5	R100U-9	R100U-12	R100U-15	R100U-18	R100U-24
MAX OUTPUT WATTAGE[W]	60	100	103.5	102	105	100.8	108
DC OUTPUT	3V 20A	5V 20A	9V 11.5A	12V 8.5A	15V 7A	18V 5.6A	24V 4.5A

SPECIFICATIONS

	MODEL		R100U-3	R100U-5	R100U-9	R100U-12	R100U-15	R100U-18	R100U-24
INPUT	VOLTAGE[V]		AC85 - 132 1φ or DC110 - 170						
	CURRENT[A]	ACIN 100V	2.8typ (Io=100%)						
	FREQUENCY[Hz]		47 - 440 or DC						
	EFFICIENCY[%]		75typ	79typ	80typ	82typ	83typ	84typ	85typ
	INRUSH CURRENT[A]	ACIN 100V	15typ (Io=100%)						
	LEAKAGE CURRENT[mA]		0.5max (60Hz, According to UL, CSA and DEN-AN)						
OUTPUT	VOLTAGE[V]		3	5	9	12	15	18	24
	CURRENT[A]		20	20	11.5	8.5	7	5.6	4.5
	LINE REGULATION[mV]		20max	20max	36max	48max	60max	72max	96max
	LOAD REGULATION[mV]		40max	40max	100max	100max	120max	120max	150max
	RIPPLE[mVp-p]	0 to +50℃	80max	80max	120max	120max	120max	120max	120max
		-10 - 0℃	140max	140max	160max	160max	160max	160max	160max
	RIPPLE NOISE[mVp-p]	0 to +50℃	120max	120max	150max	150max	150max	150max	150max
		-10 - 0℃	160max	160max	180max	180max	180max	180max	180max
	TEMPERATURE REGULATION[mV]	0 to +50℃	50max	50max	90max	120max	150max	180max	240max
		-10 to +50℃	60max	60max	120max	150max	180max	200max	290max
	DRIFT[mV]	*1	20max	20max	36max	48max	60max	72max	96max
	START-UP TIME[ms]		200max (ACIN 85V, Io=100%)						
	HOLD-UP TIME[ms]		20typ (ACIN 100V, Io=100%, 0 to +50℃) 10typ (ACIN 85V, Io=100%, 0 to +50℃)						
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]		2.85 - 3.6	4.5 - 5.5	8.1 - 9.9	10.8 - 13.2	13.5 - 16.5	16.2 - 19.8	21.6 - 26.4
PROTECTION CIRCUIT AND OTHERS	OVERCURRENT PROTECTION		Works over 105% of rating and recovers automatically						
	OVERVOLTAGE PROTECTION		4.00 - 5.25V	Works at 115 - 140% of rating					
	OPERATING INDICATION		LED (Green)						
	REMOTE SENSING		Provided						
	REMOTE ON/OFF		Not provided						
ISOLATION	INPUT-OUTPUT		AC2,000V 1minute, Cutoff current = 10mA max, DC500V 50MΩ min (At Room Temperature)						
	INPUT-FG, COVER		AC2,000V 1minute, Cutoff current = 10mA max, DC500V 50MΩ min (At Room Temperature)						
	OUTPUT-FG, COVER		AC500V 1minute, Cutoff current = 100mA max, DC500V 50MΩ min (At Room Temperature)						
ENVIRONMENT	OPERATING TEMP.,HUMID.AND ALTITUDE		-10 to +60℃, 20 - 90%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max						
	STORAGE TEMP.,HUMID.AND ALTITUDE		-20 to +75℃, 20 - 90%RH (Non condensing), 9,000m (30,000feet) max						
	VIBRATION		10 - 55Hz, 19.6m/s² (2G), 3minutes period, 60minutes each along X, Y and Z axis						
	IMPACT		196.1m/s² (20G), 11ms, once each X, Y and Z axis						
SAFETY AND NOISE REGULATIONS	AGENCY APPROVALS		UL60950-1, CSA C22.2 No.60950-1, EN60950-1 Complies with DEN-AN and IEC60950-1						
	CONDUCTED NOISE		Complies with FCC-B, VCCI-B						
OTHERS	CASE SIZE/WEIGHT		34.5×93×160mm (W×H×D) / 600gmax (without cover)						
	COOLING METHOD		Convection						

*1 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25℃, with the input voltage held constant at the rated input/output.
*2 Please contact us about safety approvals for the model with option.
* Avoid prolonged use under over-load.
* Parallel operation with other model is not possible.
* Derating is required when operated with case cover.

External view



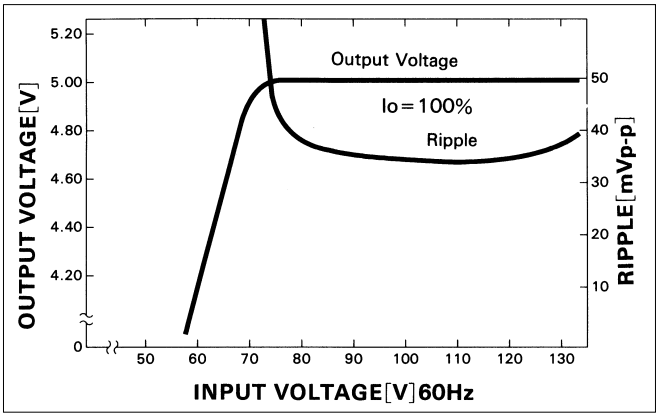
⏚ : Protective Grounding Terminal(FG)

※Weight : 600g or less
(without cover)
※Cover is optional
※Tolerance : ±1
※Dimensions in mm.

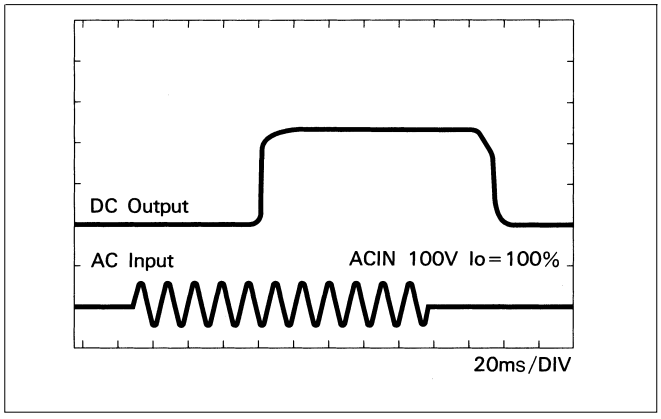
Mounting torque: 1.2N•m (12.8kgf•cm) max

Performance data

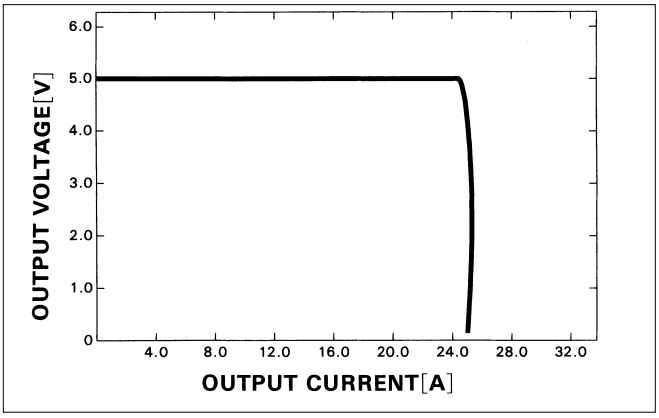
■STATIC CHARACTERISTICS (R100U-5)



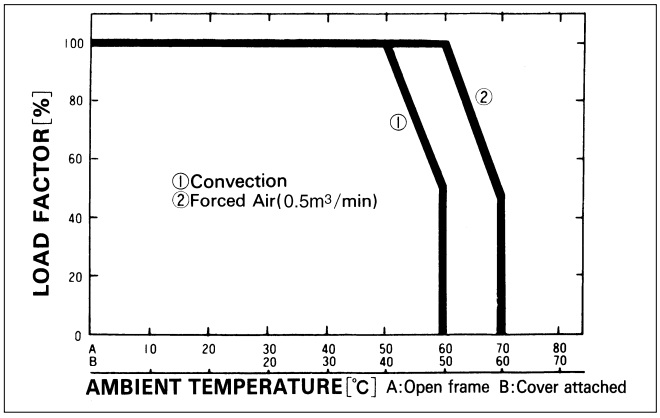
■RISE TIME & FALL TIME (R100U-5)



■OVERCURRENT CHARACTERISTICS (R100U-5)



■DERATING CURVE



Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

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Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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