

DESCRIPTION

PRODUCT COVERED:

* **USL/CNL** - Open type, Switching Power Supply, Models DRJ100-24-1; may be followed by /, may be followed by E, followed by CO, CO2 or blank.

USL/CNL - Open type, Switching Power Supply, Models DRJ100-24-1/C2; may be followed by E, followed by CO, CO2 or blank.

OBSOLETE PRODUCT: (Retained for reference only)

USL, CNL, Open type, Switching Power Supply, Models DRB100-24-1-xyz; where x, y and z can be any alphanumeric character or blank and is non safety relevant information.

GENERAL:

The device is an open type AC/DC Switching Power Supply intended to be used in industrial control applications for DIN-Rail mounting (building-in), **permanently** connected (field wired) and for use in a pollution degree 2 environment (Controlled Environment).

RATINGS:

Model	Input				Output (DC)	
	Voltage Rated (Vac)	Voltage Rated (Vdc)	Current (A)	Freq. (Hz)	Voltage (V dc)	Current (A)
DRJ100-24-1 series	100-240	N/A	1.2	50-60	24	4.2 See derating curve in specification sheet.
DRJ100-24-1/C2 series	100-240	N/A	1.1	50-60	24	3.75 See derating curve in specification sheet.

Maximum surrounding air temperature: 70°C (\$))

Note: (\$) - The permissible maximum output current is specified in the derating curve related to the surrounding air temperature, and the load factor, that is in ILL. 1 for all models in this Report.

NOMENCLATURE

e.g.	DRJ	100	-	24	-	1	/	C2	E	CO
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	a	b		c		d	e	f	g	h

a - Product series

DRJ: DRJ series;

b - Wattage type

100: 100 W;

c - Output voltage rating

24: 24 V;

d - Phase

1: Single;

e - Collateral distinction

/: For expressing the collateral specification,
blank: Regular specification;

f - Output limitation

C2: limited,
blank: Unlimited;

g - Terminal Block

E: Manufactured by Tianli,
blank: Manufactured by Dinkle;

h - Conformal coating

CO: Coated,
CO2: Coated,
blank: Uncoated.

TECHNICAL/ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

Special Considerations - The following items are considerations that were used when evaluating this product.

USL: Indicates investigation to the U.S. Standard UL 508, 17th Ed.

CNL: Indicates investigation to the CAN/CSA C22.2 No. 107.1-01, 3rd Ed.

Note: USL = United States Standards - Listed.
CNL = Canadian Standards - Listed

* The model have been evaluated to UL 508, 17th Edition and CAN/CSA C22.2 No. 107.1-01, 3rd Edition, for spacing and acceptability for use in an ambient of pollution degree 2 and maximum surrounding air temperature as shown in the rating section above

The equipment is for building in, permanently connected (field wired).