

DESCRIPTION

PRODUCTS COVERED:

USL, CNL - Switching power supplies, Model DLP; followed by 75, 100, 120, 180, or 240; followed by -24, may be followed by -1; may be followed by suffix "/E, /EJ", may be followed by "CO". Model DLP, followed by 75 or 100; followed by -24, may be followed by -1; followed by C2, may be followed by suffix "/E, /EJ" may be followed by "CO".

USL, CNL - Switching power supplies, Model CY; followed by 307, 310, 312, 318, or 324; followed by -24; may be followed by suffix E.

GENERAL:

These devices are open-type switching power supplies, employing an Isolating-Type, Step-down Transformer and related circuitry enclosed within a metallic cover. These power supplies are intended for use in industrial control applications, in a pollution degree 2 environment.

Model DLP75/100 with suffix C2 are similar in construction to model DLP75/100 without suffix C2.

ELECTRICAL RATINGS:

Electrical Ratings:

| Model | Input, ac/dc | | Output, ac/dc | |
|------------------------|----------------|--------------|---------------|-------------------------|
| | V (ac) | Hz | A | V (dc) A |
| DLP75-24-1, | 100-120 | 50/60 | 1.9 | 24 3.1 |
| CY307 | 200-240 | 50/60 | 1.1 | 24 3.1 |
| DLP75-24-1/C2, | 100-120 | 50/60 | 1.9 | 24 2.5 |
| | 200-240 | 50/60 | 1.1 | 24 2.5 |
| DLP100-24-1, | 100-120 | 50/60 | 2.5 | 24 4.1 |
| CY310 | 200-240 | 50/60 | 1.4 | 24 4.1 |
| DLP100-24-1/C2, | 100-120 | 50/60 | 2.5 | 24 3.7 |
| | 200-240 | 50/60 | 1.4 | 24 3.7 |
| DLP120-24-1, | 100-120 | 50/60 | 3.2 | 24 5 |
| CY312 | 200-240 | 50/60 | 1.6 | 24 5 |
| DLP180-24-1, | 100-240 | 50/60 | 2.7 | 24 7.5 |
| CY318 | | | | |
| DLP240-24-1, | 100-240 | 50/60 | 3.5 | 24 10 |
| CY324 | | | | |
| DLP240-24-1, | 100-240 | 50/60 | 3.5 | 24 10 |
| CY324 | | | | |

All models:

Maximum Surrounding Air Temperature = 50°C at 100% load.

ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE'S USE):

USL - Indicates Investigated To UL 508, Standard for Industrial Control Equipment.

CNL - Indicates Investigated To Canadian National Standard(s)
C22.2 No. 14-M95.

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

Nomenclature:

| | | | | | | |
|------------|-----------|------------|-----------|------------|----------|-----------|
| <u>I</u> | <u>II</u> | <u>III</u> | <u>IV</u> | <u>V</u> | VI | |
| DLP | 75 | -24 | -1 | /C2 | E | CO |

I Basic Model Designation

| | |
|-----|----------|
| DLP | Original |
| CY | OEM |

II Output Power Rating

| <u>DLP series</u> | <u>CY Series</u> | <u>Watts</u> |
|-------------------|------------------|--------------|
| 75 | 307 | 75 |
| 100 | 310 | 100 |
| 120 | 312 | 120 |
| 180 | 318 | 180 |
| 240 | 324 | 240 |

III Output Voltage rating

| | |
|-----|---------|
| -24 | 24 V DC |
|-----|---------|

IV Version Number (optional)

V C2 - Class 2 style (DLP75 & DLP100 only)**VI Terminal Style**

| | |
|-------|-------------------|
| Blank | Standard |
| E | European Terminal |
| /E | European Terminal |
| /EJ | European Terminal |

VII Conformal Coating

| | |
|-------|--------------|
| Blank | Not Provided |
| CO | Provided |