

## DRC-40A



- Universal AC input / Full range
- Protections: Short circuit / Overload / Over voltage
- Battery low protection / Battery reverse polarity protection by fuse
- Can be installed on DIN rail TS-35/7.5 or 15
- Alarm signal for AC OK and Battery low (via TTL open collector, optional via relay)
- Cooling by free air convection
- Pass LPS
- LED indicator for power on
- 100% full load burn-in test
- 3 years warranty

Rating: Not Rated Yet

**Price**

Sales price without tax 39,90 €

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Manufacturer [Maker: Mean Well](#)

| Description |                       | SPECIFICATION |         |
|-------------|-----------------------|---------------|---------|
|             |                       | MODEL         | DRC-40A |
| OUTPUT      | OUTPUT NUMBER         | CH1           | CH2     |
|             | DC VOLTAGE            | 13.8V         | 13.8V   |
|             | RATED CURRENT         | 1.9A          | 1A      |
|             | CURRENT RANGE         | 0 ~ 2.9A      | -----   |
|             | RATED POWER           | 40.02W        |         |
|             | RIPPLE & NOISE (max.) | 120mV p-p     | -----   |
|             | Note.2                |               |         |
|             | VOLTAGE               | CH1:12 ~ 15V  |         |

|                   |                                    |  |
|-------------------|------------------------------------|--|
|                   | <b>GE ADJ. RANGE</b>               |  |
|                   | <b>VOLTAGE TOLERANCE</b><br>Note.3 | ±1.0% -----  |
|                   | <b>LINE REGULATION</b>             | ±0.5% -----  |
|                   | <b>LOAD REGULATION</b>             | ±0.5% -----  |
|                   | <b>SETUP, RISE TIME</b><br>Note.4  | 400ms,<br>50ms/230VAC<br><br>800ms,<br>50ms/115VAC at full load  |
|                   | <b>HOLD UP TIME (Typ.)</b>         | 50ms/230VAC<br><br>10ms/115VAC at full load  |
| <b>INPUT</b>      | <b>VOLTAGE RANGE</b>               | 90 ~ 264VAC<br><br>127 ~ 370VDC<br>[DC input operation possible by connecting AC/L(+), AC/N(-)]                            |
|                   | <b>FREQUENCY RANGE</b>             | 47 ~ 63Hz  |
|                   | <b>EFFICIENCY (Typ.)</b>           | 86%  |
|                   | <b>AC CURRENT (Typ.)</b>           | 0.8A/115VAC<br><br>0.6A/230VAC   |
|                   | <b>INRUSH CURRENT (Typ.)</b>       | COLD START<br>30A/115VAC<br>60A/230VAC   |
| <b>PROTECTION</b> | <b>OVERLOAD</b>                    | 105 ~ 150% rated output power<br>Protection type :<br>Hiccup mode, recovers automatically after fault condition is removed |
|                   | <b>OVERVOLTAGE</b>                 | CH1:14.49 ~ 18.63V<br>Protection type :<br>Shut down o/p voltage, re-power on to recover                                   |
|                   | <b>BATTERY CUTOFF</b>              | 10±0.5V  |
| <b>FUNCTION</b>   | <b>AC OK</b>                       | Open collector output,<br>CONTACT : AC OK ; CUT OFF : AC Fail ; max.   |

|                                  |   |   |
|----------------------------------|---|---|
|                                  |   | rating :<br>50V/30mA  |
|                                  | <b>BATTERY LOW</b>  | Open collector output, CUT OFF : Battery ; CONTACT : Battery Low ; max. rating : 50V/30mA                   |
|                                  |   | Battery low voltage : < 11V   |
| <b>ENVIRONMENT</b>               | <b>WORKING TEMP.</b>  | -30 ~ +70°C (Refer to "Derating Curve")   |
|                                  | <b>WORKING HUMIDITY</b>   | 20 ~ 90% RH non-condensing  |
|                                  | <b>STORAGE TEMP., HUMIDITY</b>  | -40 ~ +85°C , 10 ~ 95% RH   |
|                                  | <b>TEMP. COEFFICIENT</b>  | ±0.03%/°C (0 ~ 55°C ) on CH1 output   |
|                                  | <b>VIBRATION</b>  | 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes  |
| <b>SAFETY &amp; EMC (Note 5)</b> | <b>SAFETY STANDARDS</b>   | UL60950-1, TUV EN60950-1, EAC TP TC 004 approved  |
|                                  | <b>WITHSTANDING VOLTAGE</b>   | I/P-O/P:3KVAC<br>I/P-FG:2KVAC<br>O/P-FG:0.5KVAC   |
|                                  | <b>ISOLATION RESISTANCE</b>   | I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH  |
|                                  | <b>EMC EMISSION</b>   | Compliance to EN55032 (CISPR32) Class B, EN61000-3-2,-3, EAC TP TC 020                                      |
|                                  | <b>EMC IMMUNITY</b>   | Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, EN61204-3, light industry level, criteria A, EAC TP TC 020 |
| <b>OTHERS</b>                    | <b>MTBF</b>   | 536.6K hrs min. MIL-HDBK-217F (25°C)  |
|                                  | <b>DIMENSION</b>  | 40*90*100mm (W*H*D)   |
|                                  | <b>PACKING</b>  | 0.3Kg; 42pcs/13.6Kg/0.82CUFT  |
| <b>NOTE</b>                      | 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. |   |

2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.

3. Tolerance : includes set up tolerance, line regulation and load regulation.

4. Length of set up time is measured at cold first start. Turning ON/OFF the power supply may lead to increase of the set up time.

5. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on <http://www.meanwell.com>)

6. Installation clearances : 40mm on top, 20mm on the bottom, 5mm on the left and right side are recommended when loaded permanently with full power. In case the adjacent device is a heat source, 15mm clearance is recommended.

7. The ambient temperature derating of 3.5 /1000m with fanless models and of 5 /1000m with fan models for operating altitude higher °C than 2000m(6500ft).

[DRC-40A Specification](#)