



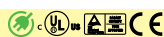
### Features

- Universal AC input / Full range
- Installed on DIN rail TS35 / 7.5 or 15
- Protections: Short circuit / Overload / Over voltage
- No load power consumption <0.75W (<1W for MDR-100)
- LED indicator for power on
- NEC class 2 / LPS compliant (selected models)
- Built-in active PFC and over temp. protection (MDR-100)
- DC OK signal output (MDR-10/20)
- DC OK relay contact (MDR-40/60/100)
- Cooling by free air convection
- 100% full load burn-in test
- 3 years warranty

### General Specification (Please refer to [www.meanwell.com](http://www.meanwell.com) for detail spec.)

| Model No.                 | MDR-10  | MDR-20   | MDR-40   | MDR-60         | MDR-100            |
|---------------------------|---|--|--|----------------|--------------------|
| AC input voltage range    | 85~264VAC; 120~370VDC   |  |  |                |                    |
| AC inrush current         | Cold start, 35A at 115VAC, 70A at 230VAC  | Cold start, 20A at 115VAC, 40A at 230VAC           | Cold start, 30A at 115VAC, 60A at 230VAC           |                |                    |
| DC adjustment range       | Fixed   | ±10% rated output voltage                          | 0 ~ +20% rated output voltage                      |                |                    |
| Overload protection       | >105% hiccup mode, auto-recovery  | 105%~160% constant current limiting, auto-recovery | 105%~150% constant current limiting, auto-recovery |                |                    |
| Over voltage protection   | 115%~135% rated output voltage  |  | 125%~150% rated output voltage                     |                |                    |
| Setup, rise, hold up time | 500ms, 30ms, 50ms at full load and 230VAC   |  |  |                | 3000ms, 50ms, 50ms |
| Withstand voltage         | I/P-O/P:3kVAC, I/P-FG:1.5kVAC, 1minute  |  |  |                |                    |
| Working temperature       | -20~+70°C (refer to output derating curve)  |  |  |                | -10~+60°C          |
| DC OK signal              | Open collector  | Open collector                                     | Relay contact                                      |                |                    |
| Safety standards          | UL508, TUV EN60950-1, UL60950-1(MDR-40/60) approved, NEC class 2 compliant (MDR-10/20, MDR-40-12/24/48, MDR-60-12/24/48, MDR-100-24/48) |  |  |                |                    |
| EMC standards             | EN55022 class B, EN61000-3-2,-3, ENV50204, EN61000-4-2,3,4,5,6,8,11, EN61204-3, EN61000-6-2 heavy industry level (MDR-40/60/100)        |  |  |                |                    |
| Connection                | I/P: 3 poles, O/P: 3 poles screw DIN terminal   |  | IP: 3 poles, O/P: 6 poles screw DIN terminal       |                |                    |
| Dimension (W*H*D)(mm)     | 22.5x 90x 100   |  | 40x 90x 100  |                | 55x 90x 100        |
| Packing                   | 72pcs / 13.2kg  | 72pcs / 14.7kg                                     | 42pcs / 13.6kg                                     | 42pcs / 14.8kg | 30pcs / 13.6kg     |

### MDR-10 Series



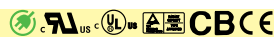
| Stock No. | Model No. | Output       | Tol. | R&N   | Effi. |
|-----------|-----------|--------------|------|-------|-------|
| 11181     | MDR-10-5  | 5V, 0~2.0A   | ±5%  | 80mV  | 77%   |
| 11182     | MDR-10-12 | 12V, 0~0.84A | ±3%  | 120mV | 81%   |
| 11183     | MDR-10-15 | 15V, 0~0.67A | ±3%  | 120mV | 81%   |
| 11184     | MDR-10-24 | 24V, 0~0.42A | ±2%  | 150mV | 84%   |

### MDR-20 Series



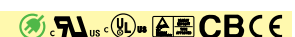
| Stock No. | Model No. | Output       | Tol. | R&N   | Effi. |
|-----------|-----------|--------------|------|-------|-------|
| 11131     | MDR-20-5  | 5V, 0~3.0A   | ±2%  | 80mV  | 76%   |
| 11132     | MDR-20-12 | 12V, 0~1.67A | ±1%  | 120mV | 80%   |
| 11133     | MDR-20-15 | 15V, 0~1.34A | ±1%  | 120mV | 81%   |
| 11134     | MDR-20-24 | 24V, 0~1.00A | ±1%  | 150mV | 84%   |

### MDR-40 Series



| Stock No. | Model No. | Output       | Tol. | R&N   | Effi. |
|-----------|-----------|--------------|------|-------|-------|
| 11141     | MDR-40-5  | 5V, 0~6.00A  | ±2%  | 80mV  | 78%   |
| 11142     | MDR-40-12 | 12V, 0~3.33A | ±1%  | 120mV | 86%   |
| 11143     | MDR-40-24 | 24V, 0~1.70A | ±1%  | 150mV | 88%   |
| 11144     | MDR-40-48 | 48V, 0~0.83A | ±1%  | 200mV | 88%   |

### MDR-60 Series



| Stock No. | Model No. | Output       | Tol. | R&N   | Effi. |
|-----------|-----------|--------------|------|-------|-------|
| 11151     | MDR-60-5  | 5V, 0~10.0A  | ±2%  | 80mV  | 78%   |
| 11152     | MDR-60-12 | 12V, 0~5.00A | ±1%  | 120mV | 86%   |
| 11153     | MDR-60-24 | 24V, 0~2.50A | ±1%  | 150mV | 88%   |
| 11154     | MDR-60-48 | 48V, 0~1.25A | ±1%  | 200mV | 87%   |

### MDR-100 Series



| Stock No. | Model No.  | Output      | Tol. | R&N   | Effi. |
|-----------|------------|-------------|------|-------|-------|
| 11171     | MDR-100-12 | 12V, 0~7.5A | ±1%  | 120mV | 85%   |
| 11172     | MDR-100-24 | 24V, 0~4.0A | ±1%  | 150mV | 86%   |
| 11173     | MDR-100-48 | 48V, 0~2.0A | ±1%  | 200mV | 88%   |



#### Energy Saving —

We care about energy saving. This logo represents that this model has "low no load power consumption"!



#### To satisfy our customers is our goal —

- High Quality
- Low Cost
- Prompt Delivery
- Best Service