

DIN Series

240~960W Slim 3-phase High Input Voltage



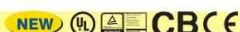
Features

- 3-phase, 340~550VAC wide range input (2-phase operation possible)
- Slim width
- Built-in active PFC function (TDR-480/960)
- High efficiency up to 94.5%
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Cooling by free air convection
- DC output voltage adjustable
- Built-in constant current limiting circuit
- Can be installed on DIN rail TS-35/7.5 or 15
- UL508(industrial control equipment)approved
- EN61000-6-2(EN50082-2) industrial immunity level
- Current sharing up to 3840W(3+1) for TDR-960
- Built-in DC OK relay contact (optional for TDR-480)
- 3 years warranty

General Specification (Please refer to www.meanwell.com for detail spec.)

| Model No. | TDR-240 | TDR-480 | TDR-960 |
|---------------------------------|---|---|------------------------------|
| AC input voltage range | 3-phase 340~550VAC (2-phase operation possible), 480~780VDC | | |
| AC input current (Typ.) | 0.95A / 400VAC, 0.75A / 500VAC | 0.85A / 400VAC, 0.7A / 500VAC | 2.0A / 400VAC, 1.4A / 500VAC |
| AC inrush current (max.) | Cold start, 50A at 400VAC | | Cold start, 60A at 400VAC |
| DC adjustment range | 24V: 24~28V, 48V: 48~55V | | |
| Overload protection | 105%~130% rated output power, constant current limiting, unit will shut down after 3 sec., re-power on to recover | | |
| Over voltage protection | Range | 29~33V for 24V model, 56~65V for 48V model | |
| | Type | Shut down o/p voltage, re-power on to recover | |
| Over temperature protection | Shut down o/p voltage, auto-recovery after temperature goes down | | |
| Withstand voltage | I/P-O/P:4.8kVAC I/P-FG:2.4kVAC | I/P-O/P:3kVAC I/P-FG:2kVAC | O/P-FG:0.5kVAC |
| | O/P-FG:0.5kVAC O/P-DC OK: 0.5kVAC | O/P-DC OK: 0.5kVAC(TDR-960; optional for TDR-480) | |
| Working temperature | -30~+70°C (refer to output derating curve) | | |
| Safety standards | UL508, EN61558-2-16 approved | UL508, EAC TP TC 004 approved | |
| EMC standards | EN55032 class B, EN55032 class B(TDR-480 only), EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, EN61204-3, heavy industry level, EAC TP TC 020(TDR-480/960 only) | | |
| Connection (screw DIN terminal) | I/P: 4 poles, O/P: 4 poles | | I/P: 4 poles, O/P: 6 poles |
| Case No. | 979C | 984E | 214A |
| Dimension (WxHxD)(mm) | 63x 125.2x 113.5 | 85.5x 125.2x 128.5 | 110x 125.2x 150 |

TDR-240 Series



| Model No. | Output | Tol. | R&N | Effi. |
|------------|------------|-------|-------|-------|
| TDR-240-24 | 24V, 0~10A | ±1.0% | 150mV | 92% |
| TDR-240-48 | 48V, 0~5A | ±1.0% | 150mV | 92% |

TDR-960 Series



| Model No. | Output | Tol. | R&N | Effi. |
|------------|------------|-------|-------|-------|
| TDR-960-24 | 24V, 0~40A | ±1.0% | 180mV | 94.0% |
| TDR-960-48 | 48V, 0~20A | ±1.0% | 250mV | 94.5% |

TDR-480 Series



| Model No. | Output | Tol. | R&N | Effi. |
|------------|------------|-------|-------|-------|
| TDR-480-24 | 24V, 0~20A | ±1.0% | 150mV | 92.5% |
| TDR-480-48 | 48V, 0~10A | ±1.0% | 150mV | 93% |



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