

Power Supply Product:

**TDK developed Din Rail type redundancy module featuring low loss MOSFET of up to 40A**

- 150% peak load
- Reverse input protection (40V)
- Ta = -40 ~ +70°C : 100%
- DC\_OK LED (x2) & DC\_OK Contact (x2)
- Current balancing LED
- Safety : UL60950-1, UL62368-1, UL508



December 20, 2018

TDK Corporation (President and CEO : Shigenao Ishiguro) announces a newly developed Din Rail type redundancy module, TDK-Lambda brand DRM40. TDK-Lambda Corporation (President and CEO: Hiroyuki Yashiro) will start mass production and shipment in December 2018.

MODEL	DRM40
Input Voltage Range	10 - 30 VDC
Input number	2 ( IN1,IN2 )
Maximum Input Current / Peak Current	2 x 20A / 2 x 30A
Maximum Output Current / Peak Current	40A / 60A
Internal Loss (typ)	8W (Iout=40A)
Voltage drop (typ), input to output	200mV (Iout=40A)
Reverse polarity Protection (max)	40V
OCP , OVP	-
Operating Temperature	-40~+70°C
Cooling	Convection Cooling
Monitoring Signal	(A) DC OK Relay x 2, DC OK LED(GREEN) x 2 (B) BALANCE OK LED (GREEN)
Withstand Voltage	Input, Output - FG : 707VDC (20mA) for 1min
Operating Altitude	5000m
Safety	IEC/EN/UL60950-1, IEC/EN/UL62368-1, UL508
EMI	Designed to meet EN55032-B,CISPR32-B,EN61204-3 CLASS A
Immunity	Designed to meet EN61000-4-2 (Level 3,4), -3 (Level 3), -4 (Level 3), -5 (Level 2), -6 (Level 3), -8 (Level 3)
Size (W x D x H)	35 x 125 x 124
Warranty	5 years

### Main applications

- N +1 Redundancy Operation in Distributed Control System
- Battery charging
- Parallel operation

### Main features and benefits

- Can support TDK-Lambda Din Rail series, eg. DRF, DRB (20A) redundant application
- Use 2 x DRM40 for DRF960 (40A) redundant operation
- Increase reliability of power supply system

### About TDK Corporation

TDK Corporation is a leading electronics company based in Tokyo, Japan. It was established in 1935 to commercialize ferrite, a key material in electronic and magnetic products. TDK's comprehensive portfolio features passive components such as ceramic, aluminum electrolytic and film capacitors, as well as magnetics, high-frequency, and piezo and protection devices. The product spectrum also includes sensors and sensor systems such as temperature and pressure, magnetic, and MEMS sensors. In addition, TDK provides power supplies and energy devices, magnetic heads and more. These products are marketed under the product brands TDK, EPCOS, InvenSense, Micronas, Tronics and TDK-Lambda.

TDK focuses on demanding markets in the areas of information and communication technology and automotive, industrial and consumer electronics. The company has a network of design and manufacturing locations and sales offices in Asia, Europe, and in North and South America. In fiscal 2018, TDK posted total sales of USD 12 billion and employed about 103,000 people worldwide.

### About TDK-Lambda Corporation

TDK-Lambda Corporation, a group company of TDK Corporation, is a leading global power supply company providing highly reliable power supplies for industrial equipment worldwide. TDK-Lambda Corporation meets the various needs of customers with our entire range of activities, from research and development through to manufacturing, sales, and service with bases in five key areas, covering Japan, Europe, America, China, and Asia.

For more details, please pay a visit to <https://www.tdk-lambda.com.sg/>

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