

D2W



Triac output • 2-3.5Amp • 24-280
 Vrms • AC Switching • SIP
 Packaged • DC control • Built-in
 snubber.

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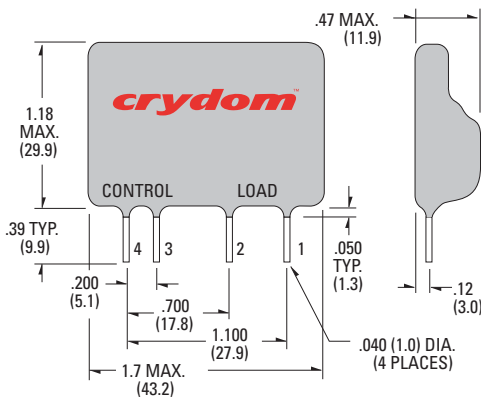
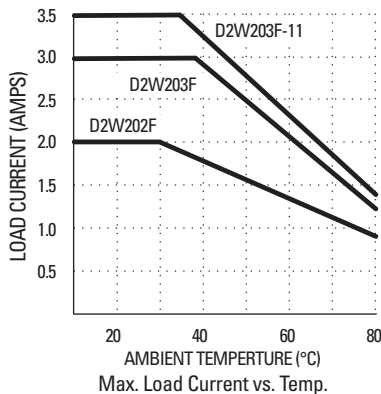
	Product	Control Voltage Range	Load Current	Switching Voltage Type	Turn On	Load Voltage Range
BUY	D2W203F	3-32 Volts DC	0.06-3 Amps RMS	AC	Zero cross	24-280 Volts RMS
BUY	D2W203F-11	3-32 Volts DC	0.06-3.5 Amps RMS	AC	Zero cross	24-280 Volts RMS

- Triac Output
- Printed Circuit Board Mount
- Internal Snubber
- Zero Voltage Switching

The D2W Series features an epoxy-coated package that provides exceptional environmental protection. Pinouts are compatible with Series 6 and OAC type I/O modules.

Manufactured in Crydom's ISO 9001 Certified facility for optimum product performance and reliability.

CURRENT DERATING CURVE



PIN 1: AC LOAD
 PIN 2: AC LOAD
 PIN 3: +DC CONTROL
 PIN 4: -DC CONTROL

All dimensions are in inches (millimeters)

MODEL NO.	D2W202F	D2W203F	D2W203F-11
INPUT SPECIFICATIONS ①			
Control Voltage Range	3-32 Vdc	3-32 Vdc	3-32 Vdc
Nominal Input Impedance	1500 Ohm	1500 Ohm	1500 Ohm
Typical Input Current @ 5 Vdc	3.0 mAdc	3.0 mAdc	3.0 mAdc
Must Turn On Voltage	3.0 Vdc	3.0 Vdc	3.0 Vdc
Must Turn Off Voltage	1.0 Vdc	1.0 Vdc	1.0 Vdc
OUTPUT SPECIFICATIONS ①			
Operating Voltage Range (47-63 Hz)	24-280 Vrms	24-280 Vrms	24-280 Vrms
Load Current Range	.06-2.0 Arms	.06-3.0 Arms	.06-3.5 Arms
Transient Over-Voltage	600 Vpk	600 Vpk	600 Vpk
Max. Surge Current, (16.6ms)	28 Apk	70 Apk	80 Apk
Min. Off-State dv/dt @ Max. Rated Voltage ③	200 V/μsec	200 V/μsec	200 V/μsec
Max. Off-State Leakage @ Rated Voltage	8 mArms	8 mArms	8 mArms
Max. On-State Voltage Drop @ Rated Current	1.4 Vpk	1.4 Vpk	1.4 Vpk
Max. Turn-On Time	1/2 cycle	1/2 cycle	1/2 cycle
Max. Turn-Off Time	1/2 cycle	1/2 cycle	1/2 cycle
Power Factor (Min.) With Max. Load	0.5	0.5	0.5

GENERAL SPECIFICATIONS

Dielectric Strength ②	4000 Vrms
Insulation Resistance (Min.) @ 500 Vdc ②	10 ⁹ Ohm
Max. Capacitance	10 pF
Ambient Operating Temperature Range	-30 to 80°C
Ambient Storage Temperature Range	-30 to 125°C

MECHANICAL SPECIFICATIONS

Weight: (typical)	0.6 oz. (17 g)
Encapsulation:	Thermally Conductive Epoxy

GENERAL NOTES

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- ① All parameters at 25°C unless otherwise specified.
- ② Dielectric and insulation resistance are measured between input and output.
- ③ Off-State dv/dt test method per EIA/NARM standard RS-443.

APPROVALS

UL E116950
 CSA LR81689

