



F2D Series

Single Pole DC Solid State Relay



Features:

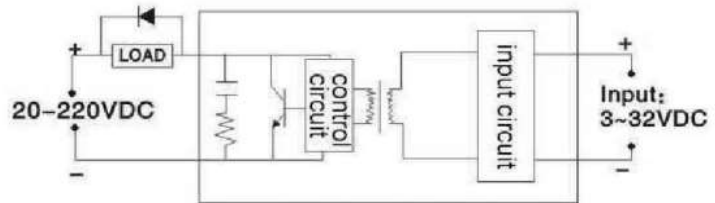
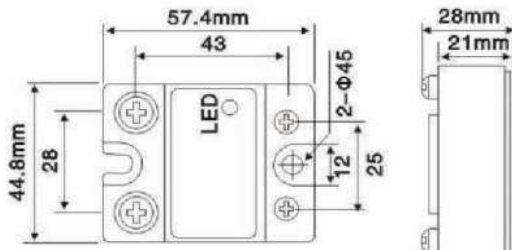
- DC Control Input
- IGBT output
- Photo Isolation
- Low ON-State Resistance
- LED status Indicator
- Dielectric strength 2500V
- Panel Mount

Ordering Code: F2D XX-500

XX -> 120 = 120 Amp; 160 = 160 Amp; 200 = 200 Amp

YY -> 500 = 12-500VDC 12 = 12-220VDC; 220 = 20-220VDC; 480 = 20-480VDC

Outline & Installation Dimensions



INPUT

Control Voltage Range	3.5-32VDC / 130-240VAC
Maximum Input Current	40mA / 12mA
Turn On Voltage	3.5VDC / 130VAC
Drop Out Voltage	2.5VDC / 110VAC

OUTPUT

Load voltage range	12-500VDC
Load current	120A,160A,200A
Surge Current (10mS)	150A,190A,250A
Max off-state leakage current	5mA (Average)
Max on-state voltage drop	<1V

GENERAL

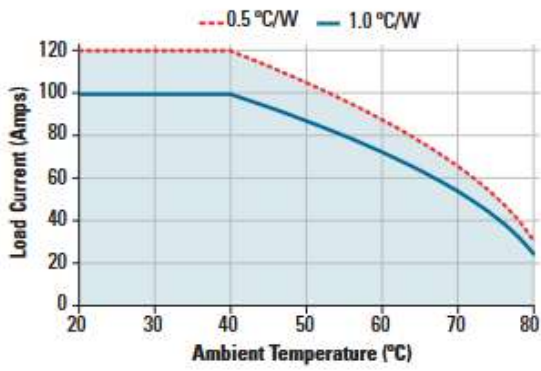
Dimensions	57.4L x 44.8W x 28H
Weight	150g +/-10%
Turn On time	200uS
Turn Off Time	2mS
Dielectric Strength (Input/Output/Base)	2500V
Operating Temperature	(-)20°C to 70°C
Certification	CE

Application Notes

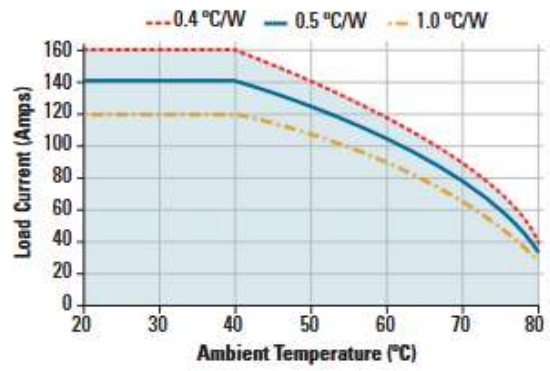
1. External Suppression Required for inductive Loads
2. Thermal Paste Should be used for Mounting
3. Mounting Torque Range 10-20 in lbs.

Current Derating

120 Amp



160 Amp



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