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## **1-DC SERIES RELAY**

D1D20 Panel Mount SSR 100V dc 20A, 3.5-32V dc In, FET Output



Crydom

- Load current 7A to 40A
- Operating voltage 100VDC to 500VDC
- Control voltage 3.5-32 VDC



#### **PRODUCT DESCRIPTION**

With MOSFET output, this 1-DC Series Panel Mount DC Solid State Relay offers reliable fast switching of DC loads through low On-State resistance. Power ratings for this DC output SSR range up to 100 Amps at 100 VDC and 10 Amps at 500 VDC. The 1-DC Series panel mount DC SSR also features:

- DC control input: 3.5-32 VDC
- Epoxy-free design which reduces internal stress
- EMC compliant to Level 3
- High PWM switching capability (up to 5 kHz on selected models)
- UL approved, CE compliant to EN60950-1
- Low-impedance MOSFET output minimizes total power dissipation
- Easily paralleled for high-current applications

# **TECHNICAL DATA**

### **OVERVIEW**

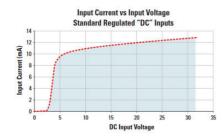
Connection	Screw connection
Additional features	N/A
Output current	20 A
Control voltage	3-32V dc
Output voltage	1-100V dc

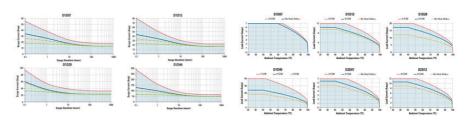
### **OUTPUT SPECIFICATION**

Number of poles

1

Input current max15 mAInput current min10 mAControl voltage3-32V dc		
Input current max15 mAInput current min10 mAControl voltage3-32V dcGENERAL SPECIFICATIONDepth22.6 mmStorage temperature min-40 °CTemperature operational max100 °CWeight75.5 gWidth44.5 mmStorage temperature max125 °CTemperature operational min-40 °C	Output voltage	1-100V dc
Input current min10 mAControl voltage3-32V dcGENERAL SPECIFICATION22,6 mmDepth22,6 mmStorage temperature min-40 °CTemperature operational max100 °CWeight75,5 gWidth44,5 mmStorage temperature max125 °CTemperature operational min-40 °C	INPUT SPECIFICATION	
Control voltage3-32V dcGENERAL SPECIFICATION22,6 mmDepth22,6 mmStorage temperature min-40 °CTemperature operational max100 °CWeight75,5 gWidth44,5 mmStorage temperature max125 °CTemperature operational min-40 °C	Input current max	15 mA
GENERAL SPECIFICATIONDepth22,6 mmStorage temperature min-40 °CTemperature operational max100 °CWeight75,5 gWidth44,5 mmStorage temperature max125 °CTemperature operational min-40 °C	Input current min	10 mA
Depth22,6 mmStorage temperature min-40 °CTemperature operational max100 °CWeight75,5 gWidth44,5 mmStorage temperature max125 °CTemperature operational min-40 °C	Control voltage	3-32V dc
Storage temperature min-40 °CTemperature operational max100 °CWeight75,5 gWidth44,5 mmStorage temperature max125 °CTemperature operational min-40 °C	GENERAL SPECIFICATION	
Temperature operational max100 °CWeight75,5 gWidth44,5 mmStorage temperature max125 °CTemperature operational min-40 °C	Depth	22,6 mm
Weight75,5 gWidth44,5 mmStorage temperature max125 °CTemperature operational min-40 °C	Storage temperature min	-40 °C
Width44,5 mmStorage temperature max125 °CTemperature operational min-40 °C	Temperature operational max	100 °C
Storage temperature max 125 °C   Temperature operational min -40 °C	Weight	75,5 g
Temperature operational min -40 °C	Width	44,5 mm
	Storage temperature max	125 °C
Height 57,3 mm	Temperature operational min	-40 °C
	Height	57,3 mm





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