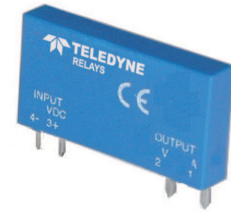


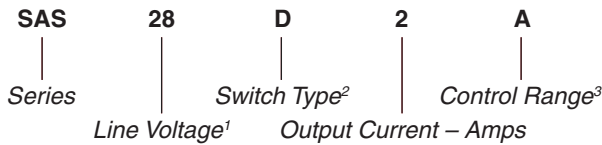
**FEATURES/BENEFITS**

- Slim compact design
- Range for printed circuit board
- Integrated snubber
- High surge handling capability
- Pending UL recognition



Part Number	Description
SAS28D2A	2A, 12–280 Vac
SAS28D2C	2A, 12–280 Vac
SAS28D2K	2A, 12–280 Vac

**Part Number Explanation**



**NOTES**

- 1) Line Voltage (nominal): 28 = 280 Vac
- 2) Switch Type: D = Zero-cross turn-on
- 3) Control Range: A = 3–10 Vdc; C = 7–20 Vdc; K = 18–32 Vdc

**ELECTRICAL SPECIFICATIONS**

(+20°C ambient temperature unless otherwise specified)

**INPUT (CONTROL) SPECIFICATIONS**

	Min	Max	Units
<b>Control Range</b>			
SAS28D2A	3	10	Vdc
SAS28D2C	7	20	Vdc
SAS28D2K	18	32	Vdc
<b>Input Current Range</b>			
SAS28D2A	5.7	27	mA
SAS28D2C	5.4	18	mA
SAS28D2K	5.6	10.2	mA

**Must Turn-Off Voltage**

All relays	1	Vdc
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**Input Resistance (Typical)**

SAS28D2A	320	Ohms
SAS28D2C	1100	Ohms
SAS28D2K	3000	Ohms

**MECHANICAL SPECIFICATION**

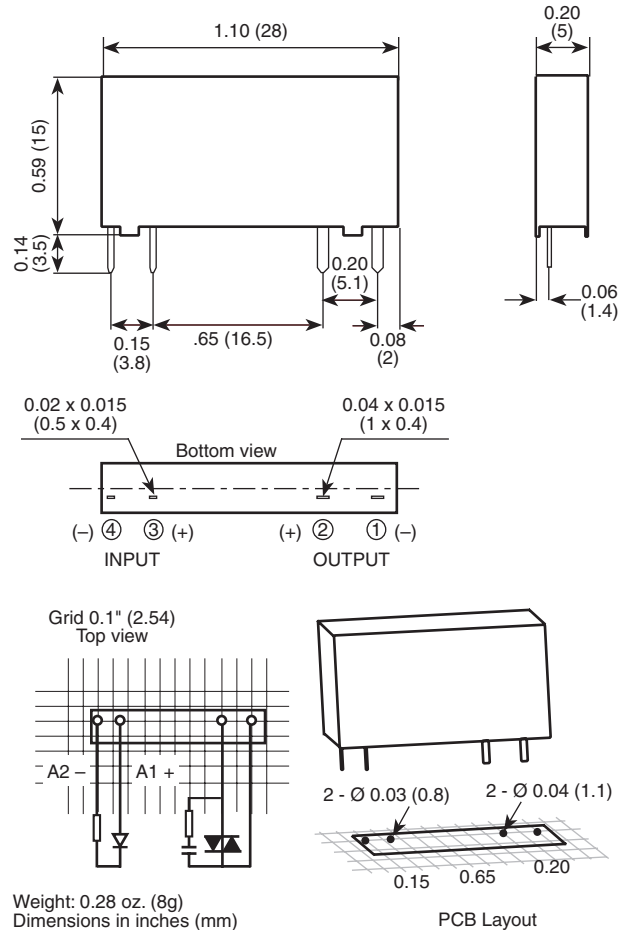


Figure 1

**ELECTRICAL SPECIFICATIONS**

(+20°C ambient temperature unless otherwise specified)

**OUTPUT (LOAD) SPECIFICATIONS**

	Min	Max	Units
Operating Range	12	280	Vrms
Peak Voltage		600	Vpeak
Output Current Range	.005	2	A
Maximum Surge Current Rating (Non-Repetitive)		80	A
On-State Voltage Drop		1.2	V
Off-State Leakage Current (60 Hz)		1.5	mA
Turn-On Time (60 Hz)		0.8	ms
Turn-Off Time (60 Hz)		8.3	ms
Operating Frequency Range	47	400	Hz
Off-state dv/dt		500	V/μs
I <sup>2</sup> t for Match Fusing (<8.3 ms)		36	A <sup>2</sup> s

**GENERAL SPECIFICATIONS**

(+20°C ambient temperature unless otherwise specified)

**ENVIRONMENTAL SPECIFICATIONS**

	Min	Max	Units
Operating Temperature	-20	+80	°C
Storage Temperature	-40	+100	°C
Input-Output Isolation	4000		Vrms
Maximum Soldering Heat (10 sec)		220	°C

**NOTES**

1. In case of many SSRs side by side, take a derating current into account.
2. On loads with capacitor at the input (filters, ballasts for discharge lamps, etc.), some overvoltages can appear. Use 400 Vac SSRs. Contact factory.
3. For additional/custom options, contact factory.

**THERMAL CHARACTERISTICS**

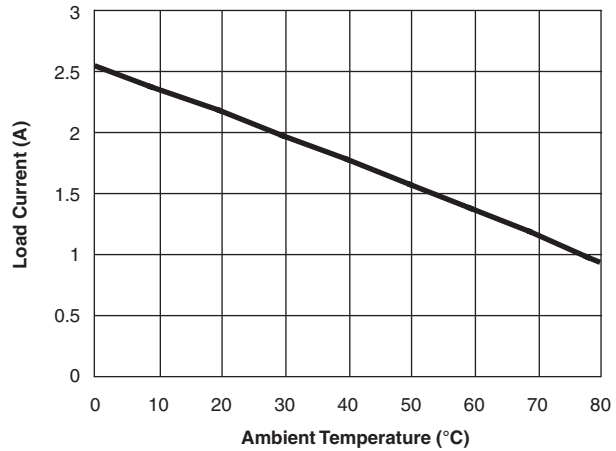


Figure 2

**SURGE CURRENT**

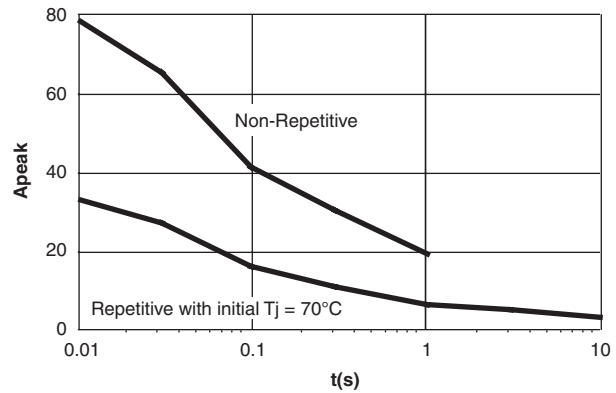


Figure 3