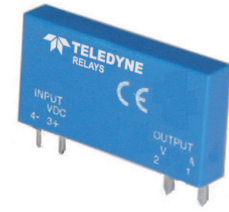


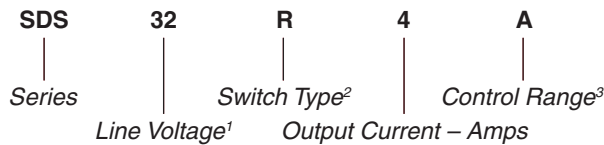
FEATURES/BENEFITS

- Slim compact DC design
- Range for printed circuit board
- Integrated voltage clamp
- High surge handling capabilities



Part Number	Description
SDS32R4A	4A, 32 Vdc
SDS32R4C	4A, 32 Vdc
SDS32R4K	4A, 32 Vdc
SDS60R2A	2.5A, 60 Vdc
SDS60R2C	2.5A, 60 Vdc
SDS60R2K	2.5A, 60 Vdc

Part Number Explanation



NOTES
 1) Line Voltage (nominal): 32 = 320 Vdc; 60 = 600 Vdc
 2) Switch Type: R = Random 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
Control Range			
SDSXXRXA	3	10	Vdc
SDSXXRXC	7	20	Vdc
SDSXXRXK	18	32	Vdc

Input Current Range

SDSXXRXA	5.5	27	mA
SDSXXRXC	5.5	18	mA
SDSXXRXK	5.5	10.2	mA

Must Turn-Off Voltage

SDSXXRXA	1.8	Vdc
SDSXXRXC	3.6	Vdc
SDSXXRXK	8.3	Vdc

MECHANICAL SPECIFICATION

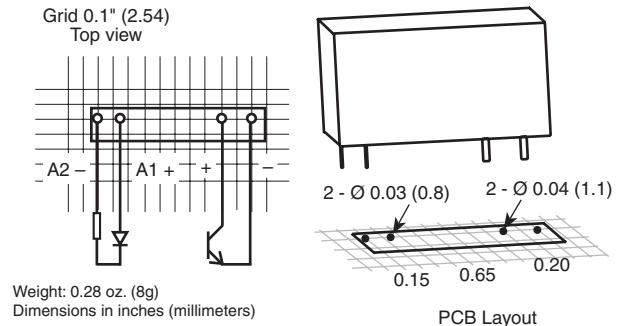
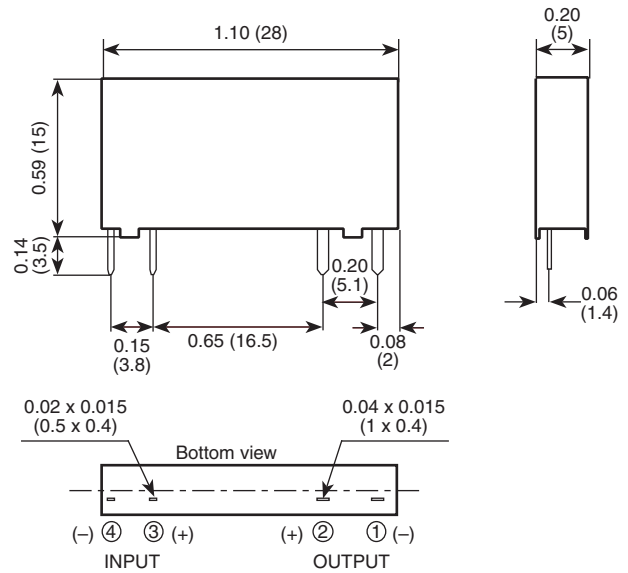


Figure 1

INPUT (CONTROL) SPECIFICATIONS (Continued)

	Min	Max	Units
Input Resistance (Typical)			
SDSXXRXA	320	Ohms	
SDSXXRXC	1070	Ohms	
SDSXXRXK	3000	Ohms	

ELECTRICAL SPECIFICATIONS

(+20°C ambient temperature unless otherwise specified)

OUTPUT (LOAD) SPECIFICATIONS

	Min	Max	Units
Operating Range			
SDS32	0	32	V
SDS60	0	60	V
Maximum Surge Current Rating (Non-Repetitive)			
SDS32		9	A
SDS60		6	A
Output Current Range			
SDS32	.001	4	A
SDS60	.001	2.5	A
Maximum Energy for Transil 1ms		600	W
On-State Voltage Drop (@2A)			
SDS32		0.24	V
SDS60		0.4	V
Output On Resistance			
SDS32		120	mOhms
SDS60		200	mOhms
Off-State Leakage Current		1	mA
Turn-On Time		50	µs
Turn-Off Time		600	µs
Operating Frequency Range		100*	Hz
Breakdown Voltage @ 1mA			
SDS32		36	Vdc
SDS60		62	Vdc

*For switching frequencies greater than 1Hz, you may need to reduce the current. For more information, contact our technical department.

THERMAL CHARACTERISTICS

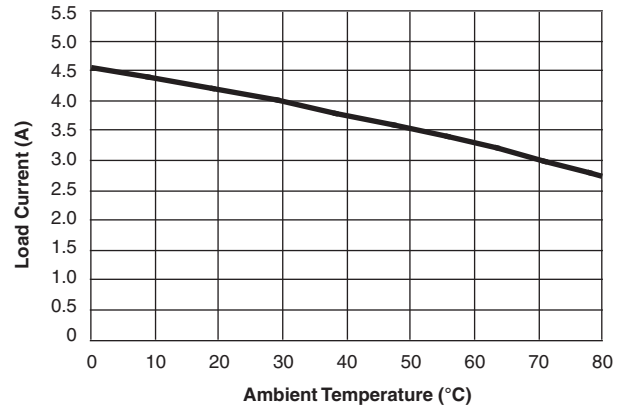


Figure 2a — SDS32 relays

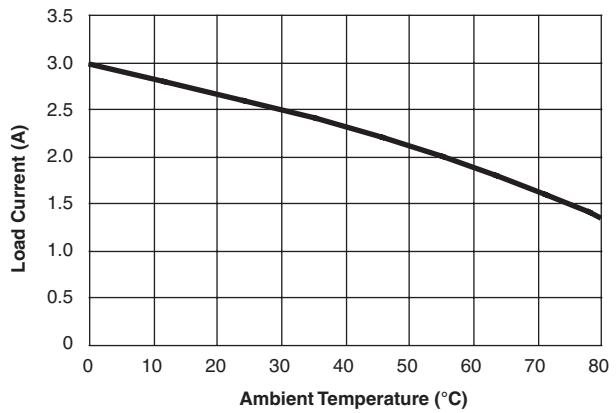


Figure 2b — SDS60 relays

NON-REPETITIVE SURGE CURRENT

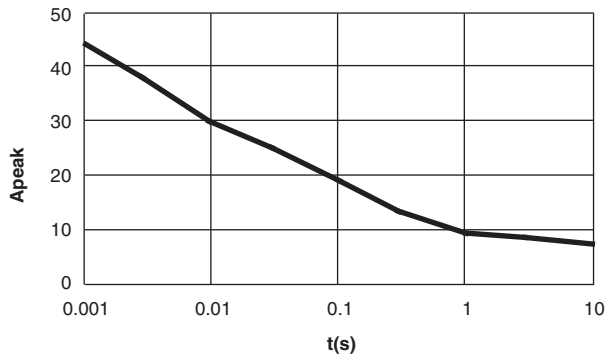


Figure 3a - SDS32 relays

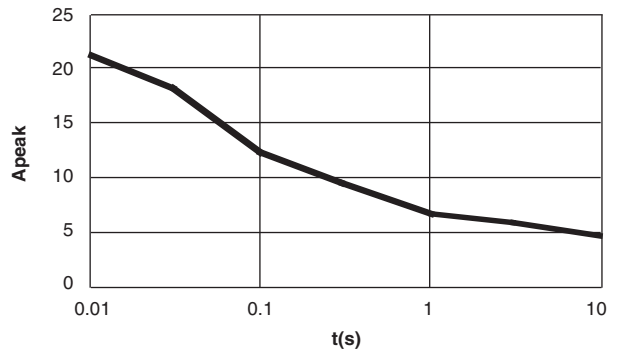


Figure 3b - SDS60 relays

GENERAL SPECIFICATIONS

(+20°C ambient temperature unless otherwise specified)

ENVIRONMENTAL SPECIFICATIONS

	Min	Max	Units
Operating Temperature	-20	+80	°C
Storage Temperature	-25	+80	°C
Input-Output Isolation	2500		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 inductive loads, use a free-wheeling diode (or clamp).
3. For additional/custom options, contact factory.