SDA1 - 10 - 15
DIN Rail 10, 15A Solid State Relays

NOT FOR NEW DESIGN

- High load voltage - up to 480VAC
- 4 - 32VDC or 90 - 250VAC Control voltage
- Zero crossover switching
- LED Control input indicator
- Integrated heatsink
- DIN Rail or chassis mounting

UK CA CE c UL us E325835 RoHS Compliant

Output (Load)

Load type		SPST-NO (1 N/O) Resistive
Load current		10A, 15A
Load switching voltage	AC V_{rms}	40 ~ 480V
Maximum peak voltage	AC V_{pt}	900V
Minimum load current		0.1A
Inrush current (max.)	10ms	10A: 120A / 15A: 160A
I^2t	A^2s	10A: 72A^2s / 15A: 128A^2s
Switch type		Zero crossover

Input (control)

Control voltage	VDC	4 ~ 32
Control current	mA	<20
Turn-on voltage (min.)	V_{min}	DC: 3.5V
Turn-on voltage (max.)	V_{max}	DC: 35V
Turn-off voltage	V	DC: 2

Environmental

Dimensions	L x W x H	100 x 24 x 107mm
Weight	approx.	228g

Note:
- All SSR's should be protected by fast acting "semiconductor" fuses.
- Circuit breakers and normal fuses are not quick enough to protect the SSR in the event of a current surge or spike"
- It is recommended that load power is kept to no more than 70% of the SSR's rating to avoid unexpected issues in the event of variations in the load and ambient temperature" These SSR's are designed to be used with a suitable heat sink.
- Transfer Pads and Heatsinks for Durakool SSR relays can be found in Durakool's Solid State Relay (SSR) catalogue.

Ordering Code

S D A 1 Z - 1 0 K - D

Series

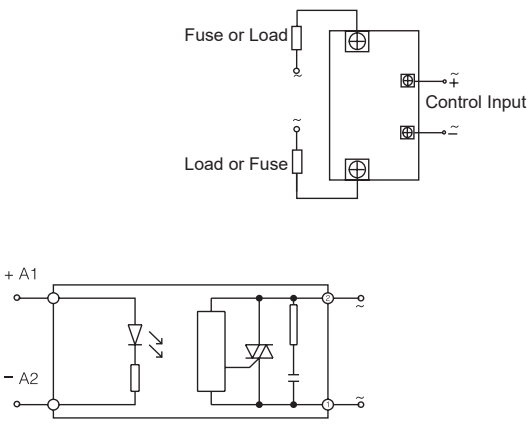
Switching
Z: Zero Crossover

Load current
10: 10A
15: 15A

Load voltage
K: 40 to 480VAC

Control voltage input
D: 4 ~ 32VDC

Schematic — Fig. 1



Dimensions mm — Fig. 2