

# SDA3 - 10 - 15

DIN rail 10 & 15A solid-state contactors

# DURAKOOL



- High load voltage - up to 480VAC.
- 4 ~ 32VDC or 90 ~ 250VAC control voltage.
- Three Phase, Zero cross-over switching.
- LED control input indicator.
- Integrated heatsink.
- RoHS Compliant.



## Output (load)

Load type		3PST-NO (3 N/O) Resistive
Load current		10A, 15A
Load switching voltage	AC V <sub>rms</sub>	40-480V
Maximum peak voltage	AC V <sub>pk</sub>	900V
Minimum load current		0.1A
Inrush Current (max.)	10ms	10A: 120A / 15A: 160A
I <sup>2</sup> t		10A: 72A <sup>2</sup> s / 15A: 128A <sup>2</sup> s
Switch type		Zero Cross (Consult factory for Random)
On voltage drop	V AC	1.6V
Leakage current off	mA	≤ 10mA

## Input (control)

Control voltage (rated)	V	DC Control: 4 - 32VDC / AC Control: 90 - 250VAC
Control current	mA	< 25mA
Turn-on voltage (min)	V <sub>min</sub>	DC Control: 3.5VDC / AC Control: 80VAC
Turn-on voltage (max)	V <sub>max</sub>	DC Control: 35VDC / AC Control: 280VAC
Turn-off voltage	V	DC Control: 2VDC / AC Control: 40VAC

## Insulation

Insulation resistance		≤ 500MΩ at 500VDC, 50%RH
Dielectric strength	V AC	≥ 2500V

## General Data

Operating time (typical)	mS	Approximately 1/2 cycle of load frequency + ≤1ms
Release time (typical)	mS	Approximately 1/2 cycle of load frequency + ≤1ms
Dimensions	L x W x H	100 x 110 x 80mm
Weight		approx. 672g
Ambient temperature	storage	-30 to 100°C (No icing or condensation)
	operating	-30 to 80°C (with derating). (No icing or condensation)
Relative Humidity		45 - 85% RH

# SDA3 - 10 - 15

## DIN rail 10 & 15A solid-state contactors



### Ordering Code

S D A 3 Z - 10 K - D

#### Switch Function

- Z - Zero Crossover
- R - Random

#### Load Current Rating

- 10 - 10A
- 15 - 15A

#### Load Voltage

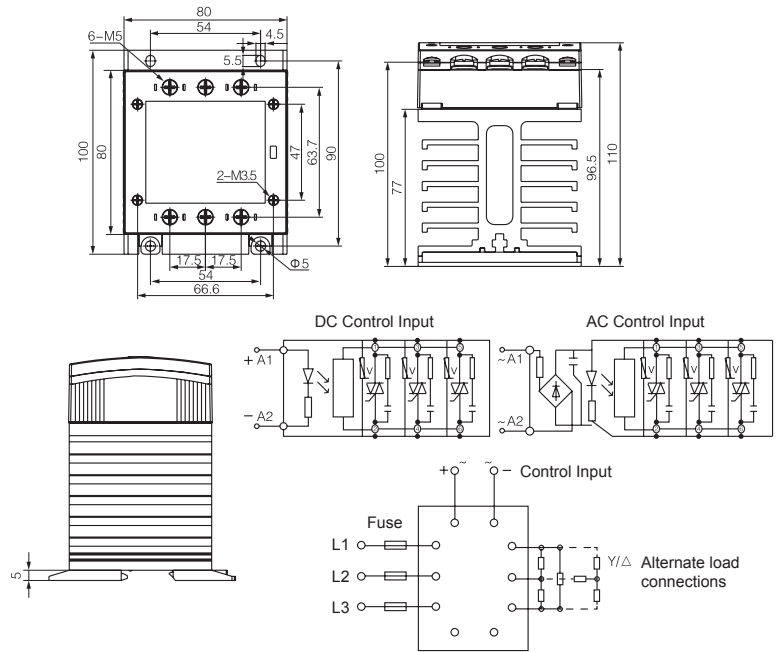
- K - 40 to 480VAC

#### Control Voltage Input

- A - 90 to 250VAC
- D - 4 to 32VDC

### Dimensions

Fig. 1



Dimensions in mm

Fig. 2

