

SDA3 - 40

DIN rail 40A solid-state contactors

DURAKOOL



Fan mounting may differ

- 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, complete with fan
- RoHS Compliant

CE **UL** **US**
E325835

Output (load)

Load type		3PST-NO (3 N/O) Resistive
Load current		40A
Load switching voltage	AC V _{rms}	40 - 480V
Maximum peak voltage	AC V _{pk}	900V
Minimum load current		0.1A
Inrush Current (max.)	10ms	450A
I ² t		880A ² 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	< 20mA
Turn-on voltage (min)	V _{min}	DC Control: 3.5VDC / AC Control: 80VAC
Turn-on voltage (max)	V _{max}	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	125 x 110 x 130mm
Weight		approx. 1300g
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

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Ordering Code

S D A 3 Z - 40 K - A

Switch Function

Z - Zero Crossover

R - Random

Load Current Rating

40 - 40A

Load Voltage

K - 40 to 480VAC

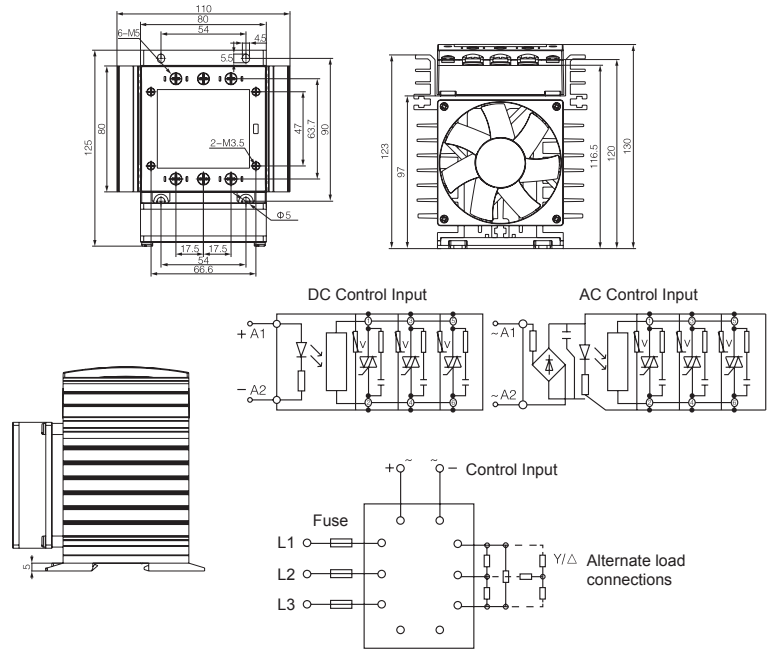
Control Voltage Input

A - 90 to 250VAC

D - 4 to 32VDC

Dimensions

Fig. 1



Dimensions in mm

Fig. 2

