

UNISON CONTROLS PVT. LTD.

SOLID STATE RELAY

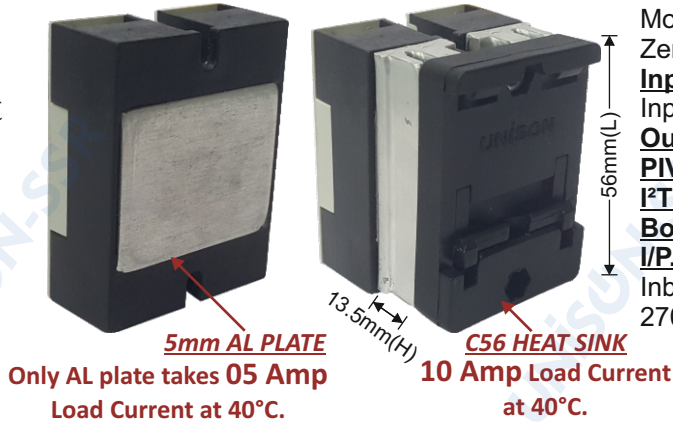
MODEL 101 DC TO AC SOLID STATE RELAY

Approved By
CE
EN-60947-5-1

**LEAD - FREE
RoHS
COMPLIANT**

10AMP MODEL 101 ZDA 48 10 00 AL5

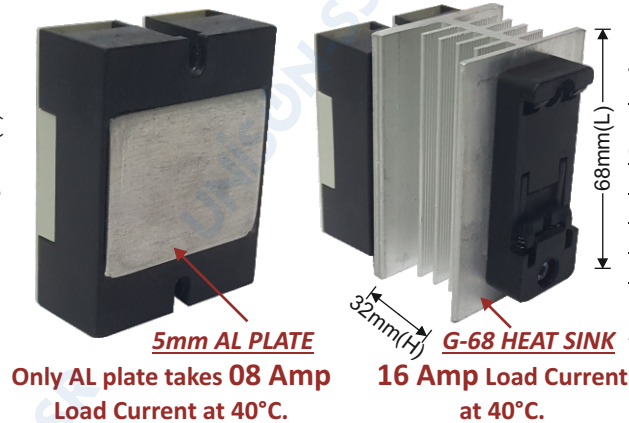
ITEM	HEAT SINK	LOAD CURRENT	
101 ZDA 48 10 00 AL5	NO - DINRAIL ONLY	05 Amp	
101 ZDA 48 10 00 AL5	C-56 + DIN	10 Amp	



Model 101 - 10Amp
Zero Cross Over SSR
Input : 4-32VDC/4-16mA
Input LED Indication : **Green**
Output : 24-480VAC (47-63 Hz)
PIV : 800Vpk
I²T : 32A²S for 9.6mS
Body isolation : 6kV for 1min
I/P. to O/P. isolation : 6kV for 1min
Inbuilt surge voltage protection of 2700Vrms

16AMP MODEL 101 ZDA 48 16 00 AL5

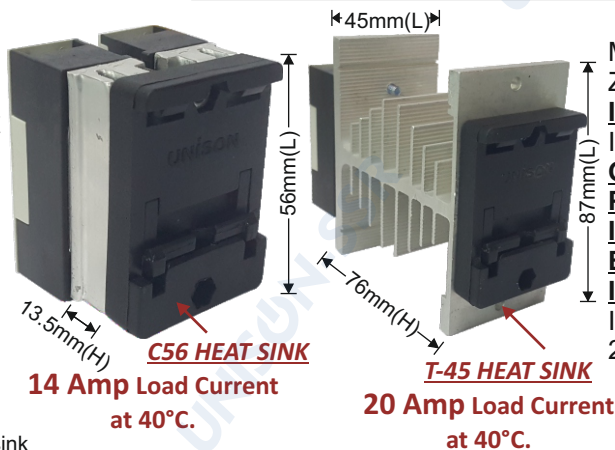
ITEM	HEAT SINK	LOAD CURRENT	
101 ZDA 48 16 00 AL5	NO - DINRAIL ONLY	08 Amp	
101 ZDA 48 16 00 AL5	C-56 + DIN	12 Amp	
101 ZDA 48 16 00 AL5	G-68 + DIN	16 Amp	



Model 101 - 16Amp
Zero Cross Over SSR
Input : 4-32VDC/4-16mA
Input LED Indication : **Green**
Output : 24-480VAC (47-63 Hz)
PIV : 800Vpk
I²T : 128A²S for 9.6mS
Body isolation : 6kV for 1min
I/P. to O/P. isolation : 6kV for 1min
Inbuilt surge voltage protection of 2700Vrms

25AMP MODEL 101 ZDA 48 25 00 AL5

ITEM	HEAT SINK	LOAD CURRENT	
101 ZDA 48 25 00 AL5	C-56 + DIN	14 Amp	
101 ZDA 48 25 00 AL5	G-68 + DIN	18 Amp	
101 ZDA 48 25 00 AL5	T-45 + DIN	20 Amp	
101 ZDA 48 25 00 AL5	B-48 + DIN	25 Amp	
101 ZDA 48 25 00 AL5 - 2nos.	T-90 + DIN	24 Amp + 24 Amp	



Model 101 - 25Amp
Zero Cross Over SSR
Input : 4-32VDC/4-16mA
Input LED Indication : **Green**
Output : 24-480VAC (47-63 Hz)
PIV : 800Vpk
I²T : 450A²S for 9.6mS
Body isolation : 6kV for 1min
I/P. to O/P. isolation : 6kV for 1min
Inbuilt surge voltage protection of 2700Vrms

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40AMP MODEL 101 ZDA 60 40 01 AL5



ITEM	HEAT SINK	LOAD CURRENT
101 ZDA 60 40 01 AL5	C-56 + DIN	18 Amp
101 ZDA 60 40 01 AL5	G-68 + DIN	22 Amp
101 ZDA 60 40 01 AL5	T-45 + DIN	30 Amp
101 ZDA 60 40 01 AL5	B-48 + DIN	35 Amp
101 ZDA 48 40 01 AL5 - 2nos.	T-90 + DIN	35 Amp + 35 Amp

< SHORT CIRCUIT PROTECTED MODEL >

C56 HEAT SINK
18 Amp Load Current
at 40°C.

T-45 HEAT SINK
30 Amp Load Current
at 40°C.

Model 101 - 40Amp
Zero Cross Over SSR
Input : 4-32VDC/4-16mA
Input LED Indication : Green
Output : 24-600VAC (47-63 Hz)
Short Circuit Protection by
"B" Curve DP MCB
09Amp Load Current/10Amp
DP "B" Curve DP MCB
PIV : 1600Vpk, **I²T** : 1060A²S
for 9.6mS
Body isolation : 6kV for 1min
I/P. to O/P. isolation : 8kV for 1min
Inbuilt surge voltage protection of
2700Vrms

50AMP MODEL 101 ZDA 60 50 01 AL5



ITEM	HEAT SINK	LOAD CURRENT
101 ZDA 60 50 01 AL5	C-56 + DIN	20 Amp
101 ZDA 60 50 01 AL5	G-68 + DIN	25 Amp
101 ZDA 60 50 01 AL5	T-45 + DIN	35 Amp
101 ZDA 60 50 01 AL5	B-48 + DIN	45 Amp
101 ZDA 60 50 01 AL5 - 2nos.	T-90 + DIN	38 Amp + 38 Amp

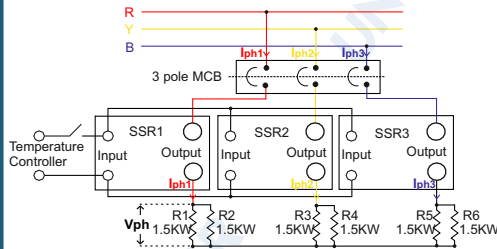
< SHORT CIRCUIT PROTECTED MODEL >

G-68 HEAT SINK
25 Amp Load Current
at 40°C.

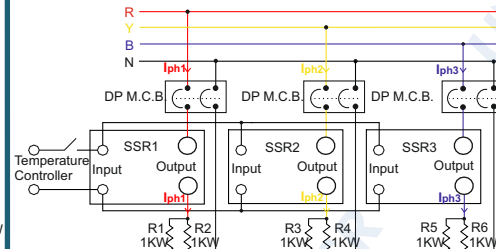
B-48 HEAT SINK
45 Amp Load Current
at 40°C.

Model 101 - 50Amp
Zero Cross Over SSR
Input : 4-32VDC/4-16mA
Input LED Indication : Green
Output : 24-600VAC (47-63 Hz)
Short Circuit Protection by
"B" Curve DP MCB
15Amp Load Current/16Amp
DP "B" Curve DP MCB
PIV : 1600Vpk, **I²T** : 3000A²S
for 9.6mS
Body isolation : 6kV for 1min
I/P. to O/P. isolation : 8kV for 1min
Inbuilt surge voltage protection of
2700Vrms

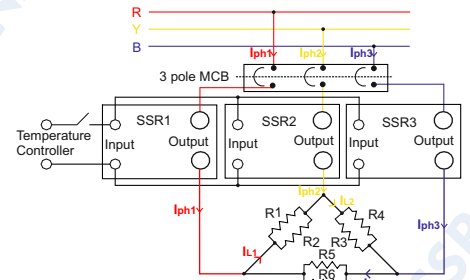
Circuit diagram 101 model - ON/OFF type Star Connection without neutral



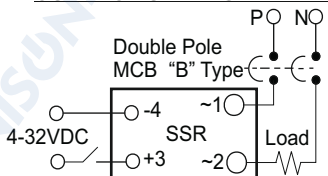
Circuit diagram 101 model - ON/OFF type Star Connection with neutral



Circuit diagram 101 model - ON/OFF type Closed Delta Connection



CONNECTION DIAGRAM ZDA



ZERO CROSS OVER AC TO DC BLOCK DIAGRAM

