

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

40AMP MODEL 101 ZDA 60 40 01 AL5



< SHORT CIRCUIT PROTECTED MODEL >

| 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 |



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



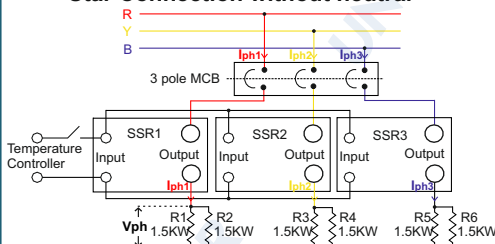
< SHORT CIRCUIT PROTECTED MODEL >

| 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 |

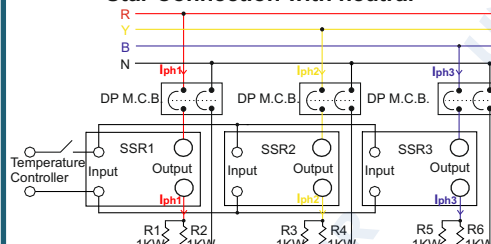


Model 101 - 50Amp Zero Cross Over SSR
Input : 4-32VDC/4-16mA
Input LED Indication : Green
Output : 24-600VAC (47-63 Hz)
 Short Circuit Protection by "B" Curve DP MCB
15Amp Load Current/16Amp DP "B" Curve DP MCB
PiV : 1600Vpk, **I²T** : 3000A²S for 9.6mS
Body isolation : 6kV for 1min
I/P. to O/P. isolation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

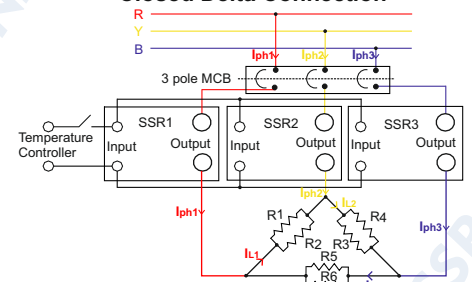
Circuit diagram 101 model - ON/OFF type Star Connection without neutral



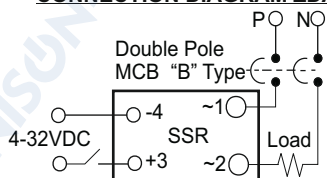
Circuit diagram 101 model - ON/OFF type Star Connection with neutral



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



CONNECTION DIAGRAM ZDA



ZERO CROSS OVER AC TO DC BLOCK DIAGRAM

