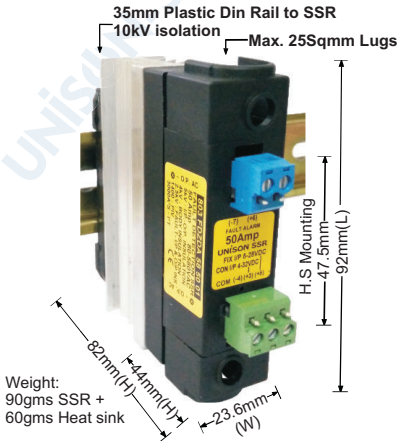


FAULT DETECTION SOLID STATE RELAY - MODEL 803

50AMP-MODEL 803 FDZDA 58 50 01 WITH "V-87" H.S.



Model 803 - 50Amp
 Fault Detection Zero Cross Over SSR
 Control Input: 4-32VDC/6-18mA,
 Fix Input: 8-28VDC/5-25mA,
 Input LED Indication : Green
 Output : 80-580VAC (47-63 Hz)
 Output Fault Alarm LED Indication : **Red**
 Short Circuit Protection by "B" Curve DP MCB.
 15Amp Load Current/16Amp "B" Curve DP MCB
 PIV : 1400Vpk, I_T : 3000A²S for 9.6mS
 Body isolation : 4kV for 1min
 I/P. to O/P. isolation : 5kV for 1min
 Fault Terminal to I/P. & O/P. isolation : 2.5kV for 1min
 1.) Load Current : 24AMP @ 55 °C With Heat Sink V-87+Din
 2.) Load Current : 32AMP @ 55 °C With Heat Sink B-24+Din
 3.) Load Current : 42AMP @ 55 °C With Heat Sink B-72+Din
 Short Circuit Current Rating : 10KA for <3mS

50AMP-MODEL 803 FDZDA 58 50 01 WITH "B-24" H.S.



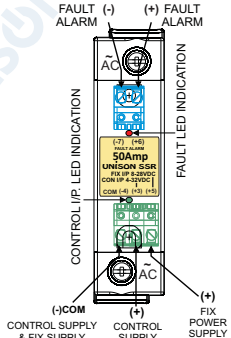
Model 803 - 50Amp
 Fault Detection Zero Cross Over SSR
 Control Input: 4-32VDC/6-18mA,
 Fix Input: 8-28VDC/5-25mA,
 Input LED Indication : Green
 Output : 80-580VAC (47-63 Hz)
 Output Fault Alarm LED Indication : **Red**
 Short Circuit Protection by "B" Curve DP MCB.
 15Amp Load Current/16Amp "B" Curve DP MCB
 PIV : 1400Vpk, I_T : 3000A²S for 9.6mS
 Body isolation : 4kV for 1min
 I/P. to O/P. isolation : 5kV for 1min
 Fault Terminal to I/P. & O/P. isolation : 2.5kV for 1min
 1.) Load Current : 24AMP @ 55 °C With Heat Sink V-87+Din
 2.) Load Current : 32AMP @ 55 °C With Heat Sink B-24+Din
 3.) Load Current : 42AMP @ 55 °C With Heat Sink B-72+Din
 Short Circuit Current Rating : 10KA for <3mS

50AMP-MODEL 803 FDZDA 58 50 01 WITH "B-72" H.S.

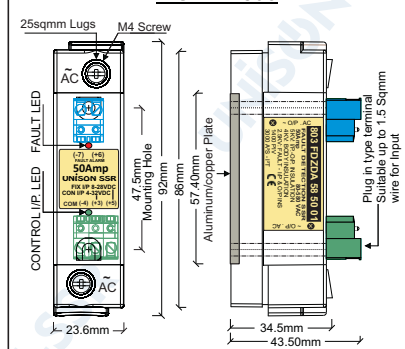


Model 803 - 50Amp
 Fault Detection Zero Cross Over SSR
 Control Input: 4-32VDC/6-18mA,
 Fix Input: 8-28VDC/5-25mA,
 Input LED Indication : Green
 Output : 80-580VAC (47-63 Hz)
 Output Fault Alarm LED Indication : **Red**
 Short Circuit Protection by "B" Curve DP MCB.
 15Amp Load Current/16Amp "B" Curve DP MCB
 PIV : 1400Vpk, I_T : 3000A²S for 9.6mS
 Body isolation : 4kV for 1min
 I/P. to O/P. isolation : 5kV for 1min
 Fault Terminal to I/P. & O/P. isolation : 2.5kV for 1min
 Load Current : 20AMP X 3Nos. = 60AMP @ 55 °C
 With Heat Sink B-72+Din
 Short Circuit Current Rating : 10KA for <3mS

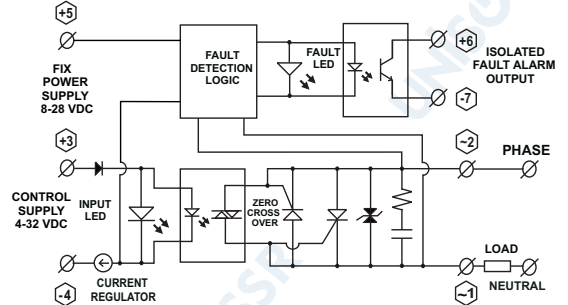
REMOTE FAULT DETECTION



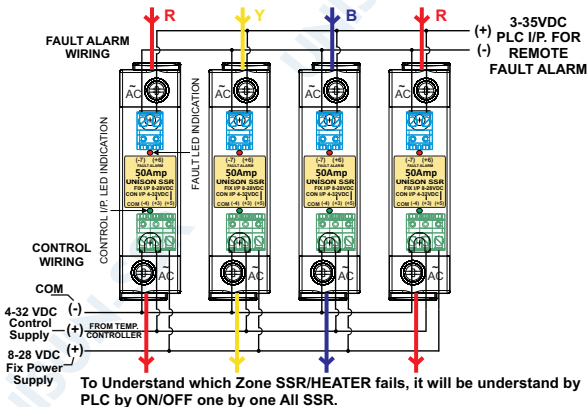
FRONT VIEW MODEL 803 SIDE VIEW



FDZDA- ZERO CROSS OVER DC TO AC



FAULT ALARM INDICATION WIRING MODEL & FAULT ALARM LED INDICATION TABLE



	INPUT LED	FAULT LED	REMARK
MAIN MCB ON	ON	OFF	LOAD HEALTHY CONDITION
MAIN MCB OFF	OFF	OFF	LOAD HEALTHY CONDITION
MAIN MCB ON	ON	ON	CONFUSION STATE
MAIN MCB OFF	OFF	ON	CONFUSION STATE
MAIN MCB ON	ON	ON	FAULT-LOAD OPEN OR SSR SHORT
MAIN MCB OFF	OFF	ON	FAULT-LOAD OPEN OR SSR SHORT (THIS CONDITION INDICATE FAULT)

NOTE: IF FAULT IS DETECTED THAN SWITCH TO SSR ON/OFF FOR 200ms, IF FAULT LED IS ON & FAULT IS DETECT THAN IT IS REAL FAULT.

FDZDA

