

## Static Switch System

## ARCON STM 65

The ARCON STM 65 static switch has been developed to work with RDI parallel inverter modules, used in Telecom and Industrial applications. It allows secondary source backup in case of primary source problem.

Off-line and On-line mode can be configured in the menu, even if the system is running.

Thanks to the full microprocessor control and intelligent management during load transfer, the reliability is highly improved.

All the functional information is available both locally and remotely with the SYS3000 controller and the PSM2000 software.



### General Features :

- Full microprocessor control, compact design
- Back connection system
- High efficiency, very high MTFB
- Outstanding response time
- Input / output RFI meet international standards
- Complete supervision possibility
- On-line / Off-line configuration while system running
- Large synchronisation range
- Alphanumeric display

## TECHNICAL SPECIFICATIONS

INPUT SPECIFICATIONS	120 VAC	230 VAC
Operating voltage range (different modules for 120 and 230 Vac)	95 up to 150 Vrms	180 up to 275 Vrms
Input frequency range (selectable)	47,5 ... 52,5 Hz or 57,5 ... 62,5 Hz	
Maximum Permanent Current	65 A	
<b>TRANSFER PERFORMANCE</b>		
Maximum voltage interruption	60 µsec to 5 msec (Typical : 2 msec)	
Total transient voltage duration (max.)	60 µsec to 10 msec (Typical : 3 msec)	
Efficiency at Full Load	> 99%	
<b>VOLTAGE CONFORMITY (RMS, FOR 230VAC / 120VAC)</b>		
Maximum mains, adjustable	125 ... 150V	250 ... 275V
Minimum mains, adjustable	95 ... 110V	180 ... 210V
Minimum inverters, adjustable	95 ... 110V	180 ... 210V
Maximum inverters, adjustable	125 ... 150V	250 ... 275V
Load level to come back after overload	75 ... 95% (with RDI modules)	
<b>ELECTRO MAGNETIC COMPATIBILITY</b>		
Standards applied for immunity	EN 61000 4-2 / 4-3 / 4-4 / 4-5 / 4-6	
Standards applied for emission	FCC Patr 15 Class A / CISPR 22 Class B	
<b>TEMPERATURE</b>		
Storage temperature	- 40deg. C to 80 deg. C	
Permissible ambient temperature	- 20 deg. C to 50 deg. C	
MTBF	> 400 000 h	
Supervision Possibility	With SYS 3000 Controller	
Signalling and Measurement	LCD display ( 2 lines x 16 characters) + 3 LEDs 5 free potential contacts	
Safety	EN60950 / UL 1950 / UL 1778 (Rack)	
Dimensions (W x D x H) in mm	438 x 415 x 3U	
Weight (approximate)	8 kg	

We reserve the right to change specifications without prior notice

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