

tuncmatik

Industrial STS

16-150A (1 Ph)

50-800A (3 Ph)

STATIC TRANSFER SWITCH



GENERAL SPECIFICATIONS

- Advanced 2x16 or 4x20 LCD Panel providing detailed information on Input/Output voltage, battery voltage and charging current.
- Programable dry contact outputs (NO / NC).
- DSP (Digital Signal Processor) control.
- RS232 and or RS485, ModBus Communication and remote monitoring.
- Thyristor controlled design.
- Automatic and Manual transfer.
- Fuseless (No interruption).
- Re-transfer delay and inhibit.
- Automatic start & Fault recovery.
- Smart fault diagnosing.
- Full system measurement (V, A, Hz, etc.).
- Visual and audible alarms.
- AC fail, Over temperature, and short circuit protection
- Hot Swap power module (1U - 2U Models).
- Easy repair and maintenance.
- Alarm logging with date and time.
- 200 recorded event history.
- Halogen free cable.
- 20 years of design life.

OPTIONS

- | | | |
|---|--|---|
| <ul style="list-style-type: none"> • TFT Touch Panel Display for standalone models • Analog gauges (V, A, Hz meters) • Thyristor failure detection • Bypass Interlock • IEC Socket (up to 8) for 16-32-50A Rack Models • Internal Cabinet Lighting (LED 24V 20W) for standalone models • Enclosure heating • Fan failure monitoring • Remote Monitoring • Coating on Boards • Lifting Lugs | <ul style="list-style-type: none"> • Up to IP54 • Dust filter • Alarm and Comm. Interface (MODBUS RS232 +4 Relay) for standalone models • Alarm and Comm. Interface (MODBUS RS485 +4 Relay) for standalone models • Alarm and Comm. Interface MODBUS TCP IP +4 Relay for standalone models • Alarm and Comm. Interface (Extra +4 Relay) (Max 12) for standalone models | <ul style="list-style-type: none"> • Transducers 0-10V, 4-20mA, Single Channel for standalone models • Overseas Packing • SNMP |
|---|--|---|

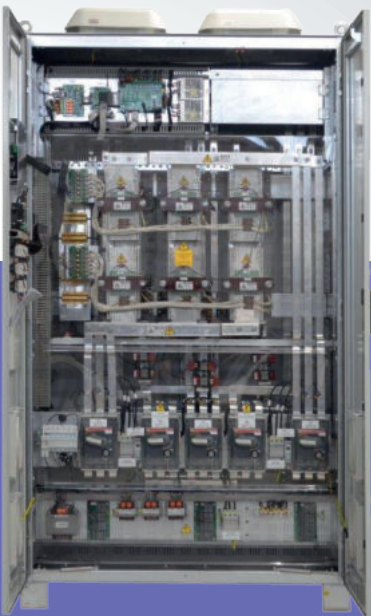
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MODEL	16A	32A	50A	63A	100A	150A
Phase	1 Phase					
INPUT						
Voltage	110/127/208/220/230/240/265 VAC					
Voltage Range	±20% (Transfer when out of range)					
Frequency	50/60 Hz					
OUTPUT						
Output Voltage	110/127/208/220/230/240/265 VAC					
Frequency Range	45-65 Hz (Transfer when out of range, adjustable)					
Transfer Time	<4ms (Sync) & 10ms (Unsync)					
Crest Factor	3:1					
Efficiency	>99%					
Overload	100-110% continous, 110-125% 10mins, 125-150% 1min, 150-200% 10sec, >200% 250ms					
SYSTEM FEATURES						
Measurements	Source 1 Frequency / Source 2 Frequency, Source 1 Voltage / Source 2 Voltage, Source 1 Current / Source 2 Current					
Alarms	Over current, Under voltage, High voltage, Overload, Over temperature, SCR Fault Alarm					
Software	Management software					
Communication	RS232, Dry Contact					
LED Indicators	Operation of Alarms					
Front Panel	LED/LCD Panel & Mimic Panel					
Switching Topology	1 Pole (w/o neutral breaking) or 2 Pole (w neutral breaking)					
Transfer Type	Break before make					
Transfer Option	Automatic / Manual / Remote					
Internal Protection	Backfeed, Bypass protection interlock					
Cooling System	Natural Cooling / Fan forced					
Cabinet Color	RAL7032,7035 (OPT: Others)					
Protection Class	IP20					
DIMENSIONS & WEIGHT						
W x D x H (mm)	19', 1U	19', 2U			500 x 450 x 1000	
Alternative Dimension	19', 2U/WM**		19', 5U/WM**			Advise to Tuncmatik
Weight (kg)	3	6		8	Advise to Tuncmatik	
ENVIRONMENTAL						
Operation Temperature	0°C - 50°C					
Storage Temperature	-10°C - 70°C					
Relative Humidity	<90% (non-condensing)					
Altitude	1000m from MSL (1% derate each 100m after 1000m)					

*Product properties may change without a notice.
** WM: Wall Mount

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50-800A (3 Ph)
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MODEL	50A	63A	100A	150A	200A	300A	400A	600A	800A
Phase	3 Phase								
INPUT									
Voltage	200/227/380/400/415/440/460 VAC								
Voltage Range	±20% (Transfer when out of range)								
Frequency	50/60 Hz								
OUTPUT									
Output Voltage	200/227/380/400/415/440/460 VAC								
Frequency Range	45-65 Hz (Transfer when out of range, adjustable)								
Transfer Time	<4ms (Sync) & 10ms (Unsync)								
Crest Factor	3:1								
Efficiency	>99%								
Overload	100-110% continous, 110-125% 10mins, 125-150% 1min, 150-200% 10sec, >200% 250ms								
SYSTEM FEATURES									
Measurements	Source 1 Frequency / Source 2 Frequency, Source 1 Voltage / Source 2 Voltage, Source 1 Current / Source 2 Current								
Alarms	Over current, Under voltage, High voltage, Overload, Over temperature, Short circuit, SCR Fault Alarm								
Software	Management software								
Communication	RS232, Dry Contact								
LED Indicators	Operation of Alarms								
Front Panel	LED/LCD Panel & Mimic Panel								
Switching Topology	3 Pole (w/o neutral breaking) or 4 Pole (w neutral breaking)								
Transfer Type	Break before make								
Transfer Option	Automatic / Manual / Remote								
Internal Protection	Backfeed, SCR fault alarm, Bypass protection (Interlock)								
Cooling System	Fan forced (Dual redundant), (OPT: Natural Cooling)								
Cable Entry	Bottom (OPT: Top, Rear, Side)								
Cabinet Color	RAL7032, 7035 (OPT: Others)								
Protection Class	IP20								
DIMENSIONS & WEIGHT									
W x D x H (mm)	500 x 450 x 1000		600 x 600 x 1300			750 x 700 x 1600		800 x 800 x 2100	
Alternative Dimension	19", 5U/WM**		WM**	Advise to Tuncmatik					
Weight (kg)	Advise to Tuncmatik								
ENVIRONMENTAL									
Operation Temperature	0°C - 50°C								
Storage Temperature	-10°C - 70°C								
Relative Humidity	<90% (non-condensing)								
Altitude	1000m from MSL (1% derate each 100m after 1000m)								

*Product properties may change without a notice.

** WM: Wall Mount