

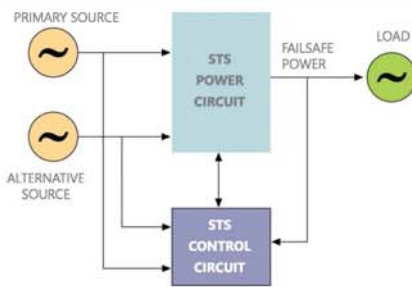
MSTS Series

STATIC TRANSFER SWITCHES
15-600kVA

Three Phase / Three Phase
Single Phase / Single Phase



Additional Protection Against Power Source Faults and Environmental Disturbances



Single Phase STS



Single Phase STS with Terminal Blocks Input/Output
*IEC 13 Socket Output is also available

- Uninterruptable Transfer Between Two Independent Sources
- Totally DSP Controlled Technology
- Synchronous/Asynchronous Transfers Ability
- Source Priority Selection
- Temporary Protection For Input and Output Sources in an Overload Situation
- Automatic and Manual Transfer
- Ability to Change the Damaged Source On Load
- By Means of DSP Control Technology, Short Reply Time and Diagnostics
- Password Protected Menu Structure Which Whole Applications can be Made From it
- Advanced Communication Options for Remote Control and Monitor
- Language Selection on the LCD Panel
- Audible Alarm
- High Efficiency

15A • 20A • 25A • 32A • 40A • 50A • 100A • 150A • 200A • 300A • 400A • 500A • 600A

MODEL	
Capacity (A)	15 20 25 32 40 50 50 100 150 200 300 400 500 600
INPUT	
Nominal Voltage-Sources	220VAC (Monofaz) 380-400-415Vac three-phase with neutral
Voltage Tolerance	180/264Vac (Adjustable)
Switched Input Phases	3(3-pole) - 3+N(4-pole) (Optional)
Nominal Frequency	50 or 60 Hz
Input Frequency Tolerance Range	(+ or -) 10% (Adjustable)
Distribution Compatibility	IT, TT, TNS, TNC
OPERATING FEATURES	
Transfer Type	"Break Before Make" (No Overlapping Sources)
Available Transfer Methods	Automatic/Manual/Remote
Transfer Time For Source Failure	< 1/4 cycle (5.0ms @ 50Hz, 4.1ms @ 60Hz) (S1/S2 Synchronised and Adjustable) 10 msec (S1/S2 NON Synchronised)
ENVIRONMENTAL	
Efficiency at Full Load (%)	>99%
Noise Level at 1 m From Front (dBA) (From 0 to Full Load)-(dBA)	45 55 55 55 65 65 65 65 65
Storage Temperature	20°C up to 70°C
Ambient Temperature	(-5°C) - (50°C)
Relative Humidity	95% Non-Condensing
Max Installation Height	1000m at Rated Power (-1% Power for Every 100m Above 1000m)-Max 4000m
Reference Standards	EN 62310-1 (Safety) EN 62310-2 (Electro-Magnetic Compatibility)
Weight (kg)	9 100 110 120 140 250 290 350 400
Dimension (WxDxH) (mm)	482,6x360x89 450x500x1000 600x600x1200 700x1000x1600
Colour	RAL7035, Other Colours are Optional
Protection Level	IP20 up to IP54
ADDITIONAL FEATURES	
Cabinet	On Cabinet Maintenance Switch
Communication	Modbus Communication over RS232 Line (RS485 Optional)
Time- Date	Log Records up to 200 logs with Real Time Clock Calendar
Led Indicators	(Source1 Good, Source2 Good, Source1 On, Source2 On, Output OK, Common Alarm, Source1 Maint, Sourc2 Maint, Synchronisation Bad)
Power Supplies	Redundant Internal Power Supplies
Alarm	Audible Alarm
Current Function	Load High Current Inhibit Function, Which Inhibits Emergency Transfer in Circuits
5 Dry Contact Relay Outputs	(1 For Common Alarm, 4 Programmable)