

Static Transfer Switch (STS)



19" Rack Mount

MTR

16 - 32A

Single phase

SIEMENS
Energy Systems

2U 19" rack mounted Static Transfer Switch to facilitate fully automatic switching between two independent single phase power supplies to provide 'high availability' power supply for network and telecom applications.

Unit is equipped with synoptic diagram with LED indication of system status and power flow.

A rotary switch provides selection of the priority source together with an integrated manual bypass facility. The manual bypass switch allows for complete isolation and removal of the power module for service/replacement purposes whilst maintaining a supply to the critical load.

Dual hard wired input supply connections (A & B source) are via the rear of the unit. In it's standard format load connection is via 10 x IEC rear connections.

Technical data

Model	MTR-16	MTR-32
INPUT		
Nominal voltage (Vac):	230, single phase (source A & B)	
Input voltage tolerance (Vac):	180 - 265	
Switched input:	Phase + N (2 POLE)	
Nominal frequency (Hz):	50 - 60	
Frequency range (Hz):	47 - 63	
RATING		
Nominal rating (Amps):	16	32
Efficiency (%):	>99	>99
Overload (In):-		
10 minutes	125%	
1 minute	150%	
10 seconds	200%	
1 second	1000%	
100 msecs	1500%	
OPERATION		
Transfer type:	Break before make (no overlapping sources)	
Transfer modes:	Automatic/Manual	
Transfer times (msecs):	≤ 2 (manual command) ≤ 5 (automatic - synchronised) ≤ (automatic - asynchronous)	
ENVIRONMENTAL		
Max operating ambient ¹ (°C):	0 / +40	
Storage (°C):	-10 / +70	
Relative humidity (%)	95 (non condensing)	
Altitude (metres ASL)	1000 (de rating factor applies above 1000)	
PHYSICAL		
Dimensions mm (W x D x H):	483 x 480 x 2U	
Protection class:	IP20 ²	

¹ Ratings specified based on 25°C ambient.

² With power module removed level of protection reduced - additional protection kit available.

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SIEL Energy Systems Ltd
 SIEL House,
 Unit E, Draycott Business Park
 Cam, Gloucestershire. GL11 5DQ

www.sielenergy.co.uk
 email: enquiries@sielenergy.co.uk
 Telephone: 0845 130 6118

