

STATIC TRANSFER SWITCH DATASHEET

Erskine Three Phase Output STS 9553

Features

- Output ratings available from 20kVA to 2000kVA
- Proven Technology
- Internal triple redundant power supply
- Simple and clear visualisation
- Quick changeover
- Remote controlled
- Event memory
- RS232 interface
- Design without fans up to 240kVA
- LCD display, alarm & control panel



Standard Specifications

Input

Supply phase & voltage:	Three phase 380/400/415VAC, 3ph 4wire with protective earth
Supply voltage variation:	+/-10%
Supply frequency:	50Hz with option for 60 Hz
Supply frequency variation:	+/-5%

Output

Output voltage:	Three phase 380/400/415VAC, 3ph 4wire with protective earth
Permissible crest factor:	Up to 3.5 (at 100% load)
Loss recognition:	<2.5ms
Transfer time - manual	<4ms (including quick check)
- automatic	<4ms (including quick check)
-automatic at unsynchronised mains	>11ms
Efficiency:	>99%
Overload capability:	150% for 1 minute, 125% for 10 minutes, 110% for 20 minutes
Short circuit capability:	10 x rated output current for 5 seconds to EN 50091 pt 1
Manual Bypass:	For both ac input lines

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Mechanical

Protection Rating:	IP20 according to EN 60529
Enclosure Finish:	Pale grey RAL7035 textured
Cooling:	Natural up to 240kVA
Audible Noise Level:	50—70dBA dependant on rating and load

General

Operating temperature range:	0°C to +40°C
Storage temperature range:	-20°C to +70°C
Operating altitude:	0 to 1000m
Operating humidity:	10% to 85% RH—non condensing
Safety:	BS EN 62040– 1-2
EMC:	BS EN 62040-2

Instrumentation & Monitoring

Measurements:	Input voltage, input frequency, output voltage, output frequency.
Alarm & Status:	6 floating contacts for alarms and status indications.
Event History:	The history log can hold up to 128 events.
Display:	4 line LCD display & mimic diagram.
Communications:	RS232 interface.



Dale Power Solutions Ltd reserves the right to make changes in specification without notice or liability. All information is subject to Dale Power Solutions own data & is considered accurate at time of publishing.

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