



1:1
PHASE



NEO STS SERIES (1P-2P)

STATIC TRANSFER SWITCHES

from **16A - 200A**



RACK



LCD DISPLAY



EASY
SERVICE



INPUT SOURCE
OPTION



DATA CENTER



MEDICAL



INDUSTRY



TRANSPORTATION



COMPLEXES

NEO-STS 1P-2P SERIES

NEO-STS, allows instantaneous transfer of power sources to the load device to ensure continuous and reliable power distributions.

- ♦ 2 AC input with 1 phase switching (3 source input option)
- ♦ Uninterrupted transfer between the independent sources
- ♦ Synchron/asynchron transfer feature
- ♦ Source priority selection
- ♦ 1 pole and neutral transfer 2 pole option
- ♦ Automatic and Manual transfer in case of failure on both sources
- ♦ Internal manual bypass
- ♦ Event Log with Detailed Parameters
- ♦ Module replacement without interruption under load at hotswap models
- ♦ Input voltage parameter selection from the menu
- ♦ Easy Maintenance
- ♦ High Efficiency
- ♦ RS232/RS485 communication capabilities
- ♦ Modbus,SNMP multi communication
- ♦ Dry contacts

NEO-STS SERIES

(1 and 2 Pole)

| MODEL | NSTS 1016 NSTS 2016 | NSTS 1032 NSTS 2032 | NSTS 1045 NSTS 2045 | NSTS 1063 NSTS 2063 | NSTS 1100 NSTS 2100 | NSTS 10120 NSTS 20120 | NSTS 10200 NSTS 20200 |
|---|---|------------------------|----------------------------------|-------------------------------|------------------------|----------------------------------|--------------------------|
| Nominal Current | 16A | 32A | 45A | 63A | 100A | 120A | 200A |
| Electrical Data | | | | | | | |
| Input Voltage | 220/230/240 Vac 1Ph + N + G | | | | | | |
| Input Voltage Range | 180-264 Vac (Ph-N) | | | | | | |
| Input Frequency | 50 / 60Hz | | | | | | |
| Input Frequency Range (operation range adjustable) | 46-54 Hz (for 50 Hz) 56-64 Hz (for 60 Hz) | | | | | | |
| Input Source Quantity | 2 pcs (3 pcs* Optional) | | | | | | |
| Transfer Type | Break before make | | | | | | |
| Transfer Methods Available | Automatic / Manual / Remote | | | | | | |
| Transfer Control | Synchron With Adjustable Delay (non synchron) Zero Current (non synchron) | | | | | | |
| Transfer Time | ≤4 msec for synchronous sources ≤ 10 msec for non-synchronous sources | | | | | | |
| Switching Type | 1 phase (1-Poles), 1 phase + Neutral switching (2-Poles) | | | | | | |
| Output Current Crest Factor | 3:1 | | | | | | |
| Admissible Overload | 0-100% continuous 101-150% 1 minute 151-200% 10 second >200% 250 msec | | | | | | |
| Protections | Output overload and short circuit protection, Overtemperature protection | | | | | | |
| LCD Panel and Mimic | Standard | | | | | | |
| Communication | RS232 standard, RS485 optional | | | | | | |
| SNMP Connection | Optional | | | | | | |
| Dry Contacts | 3 programmable relay outputs | | | | | | |
| Modbus | Available | | | | | | |
| Environmental Data | | | | | | | |
| Cooling | Forced cooling | | | | | | |
| Cooling Air Direction | From front to rear | | | | | | |
| Operating Temperature | 0°C - 40°C | | | | | | |
| Storage Temperature | -10°C up to +50°C | | | | | | |
| Relative Humidity | 90% max. (non-condensing) | | | | | | |
| Protection Degree | IP20 | | | | | | |
| Standards | EN 62310-1, EN 62310-2 | | | | | | |
| Altitude | <1000 meters | | | | | | |
| Acoustic Noise | <45 dBA | | | <52 dBA | | | |
| Mechanical Data | | | | | | | |
| Weight (kg) | 8 | 9 | 12 | 13 | 19 | 20 | 40 |
| Dimensions | 2U (19" rack), depth = 440 mm (hot-swappable = 668 mm) | | 2U (19" rack), depth = 440 mm | 3U (19" rack), depth = 440 mm | | 4U (19" rack), depth = 440 mm | |
| Power Cables Connection | Terminals | | | | | | |

* 3 source input STS dimension may change.

The company reserves the right to change specifications and designs without notice.

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