

# Grade-Level Transfer Switch, Non-Fusible

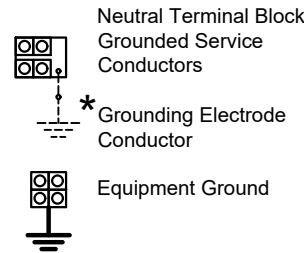
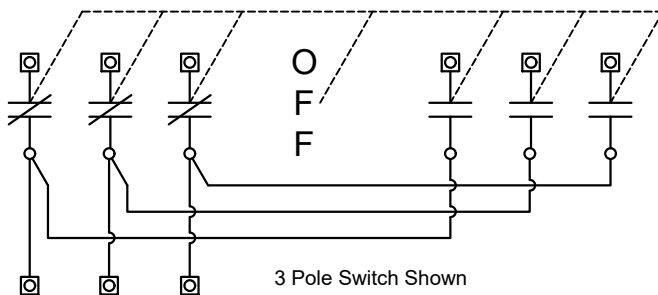


## MANUAL TRANSFER SWITCH FOR USE ONLY IN OPTIONAL STANDBY SYSTEMS

E331709

LINE, Source I

AUXILIARY, Source II



POWERTRON MTS  
TRANSFER SWITCH UL1008

RONK ELECTRICAL INDUSTRIES  
NOKOMIS, ILLINOIS

Drawing Number

2-5977

Scale NONE

Drawn NCL

Date 09/09/2020

Approved GMW

| Catalog Number | Voltage 50/60 Hz | Total System Amperage | Resistive Load Amperage | Short-Circuit Current (RMS SYM) AMPS X 1000 | Circuit Breaker Voltage Max (Volts AC) | Circuit Breaker Time Duration (Sec, Max) | Short-Circuit Current (RMS SYM) AMPS X 1000 | Voltage Max (Volts AC) | Circuit Breaker Manufacturer | Circuit Breaker Type | Circuit Breaker Rating (Amps) | Short-Circuit Current (RMS SYM) AMPS X 1000 | Voltage Max (Volts AC) | Fuse Class | Fuse Rating (Amps) |
|----------------|------------------|-----------------------|-------------------------|---------------------------------------------|----------------------------------------|------------------------------------------|---------------------------------------------|------------------------|------------------------------|----------------------|-------------------------------|---------------------------------------------|------------------------|------------|--------------------|
| 5102(-SE)      | 240 Vac          | 100                   | 100                     | 10                                          | 240                                    | 0.05                                     | 65                                          | 240                    | Square D                     | JJ                   | 250                           | 100                                         | 240                    | J          | 200                |
| 5103(-SE)      | 240 Vac          | 100                   | 100                     | 10                                          | 600                                    | 0.05                                     | 65                                          | 480                    | Square D                     | JJ                   | 250                           | 100                                         | 600                    | J          | 200                |
| 5104           | 480 Vac          | 100                   | 100                     | 35                                          | 480                                    |                                          |                                             |                        | Schneider                    | NSX                  | 160                           |                                             |                        |            |                    |
| 5202(-SE)      | 240 Vac          | 200                   | 200                     | 10                                          | 240                                    | 0.05                                     | 65                                          | 240                    | Square D                     | JJ                   | 250                           | 100                                         | 240                    | J          | 400                |
| 5203(-SE)      | 240 Vac          | 200                   | 200                     | 10                                          | 600                                    | 0.05                                     | 65                                          | 480                    | Square D                     | JJ                   | 250                           | 100                                         | 600                    | J          | 400                |
| 5204           | 480 Vac          | 100                   | 200                     |                                             |                                        |                                          |                                             |                        |                              |                      |                               |                                             |                        |            |                    |
|                | 600 Vac          | 100                   | 200                     |                                             |                                        |                                          |                                             |                        |                              |                      |                               |                                             |                        |            |                    |
| 5302(-SE)      | 240 Vac          | 260                   | 260                     | 14                                          | 240                                    | 0.05                                     |                                             |                        |                              |                      |                               | 65                                          | 480                    | J          | 600                |
| 5303(-SE)      | 240 Vac          | 260                   | 260                     | 14                                          | 600                                    | 0.05                                     |                                             |                        |                              |                      |                               | 65                                          | 600                    | J          | 600                |
| 5304           | 480 Vac          | 260                   | 260                     |                                             |                                        |                                          |                                             |                        |                              |                      |                               |                                             |                        |            |                    |
|                | 600 Vac          | 200                   | 260                     |                                             |                                        |                                          |                                             |                        |                              |                      |                               |                                             |                        |            |                    |
| 5402(-SE)      | 240 Vac          | 400                   | 400                     | 14                                          | 240                                    | 0.05                                     |                                             |                        |                              |                      |                               | 65                                          | 480                    | J          | 600                |
|                | 240 Vac          | 400                   | 400                     |                                             |                                        |                                          |                                             |                        |                              |                      |                               |                                             |                        |            |                    |
| 5403(-SE)      | 240 Vac          | 400                   | 400                     | 14                                          | 600                                    | 0.05                                     |                                             |                        |                              |                      |                               | 65                                          | 600                    | J          | 600                |
| 5404           | 480 Vac          | 400                   | 400                     |                                             |                                        |                                          |                                             |                        |                              |                      |                               |                                             |                        |            |                    |
|                | 600 Vac          | 200                   | 400                     |                                             |                                        |                                          |                                             |                        |                              |                      |                               |                                             |                        |            |                    |
| 5603(-SE)      | 240 Vac          | 400                   | 600                     |                                             |                                        |                                          |                                             |                        |                              |                      |                               | 65                                          | 600                    | L          | 800                |
| 5604           | 480 Vac          | 350                   | 600                     | 35                                          | 600                                    | 0.05                                     |                                             |                        |                              |                      |                               |                                             |                        |            |                    |
|                | 600 Vac          | -----                 | 600                     |                                             |                                        |                                          |                                             |                        |                              |                      |                               |                                             |                        |            |                    |
| 5803(-SE)      | 240 Vac          | 700                   | 800                     |                                             |                                        |                                          |                                             |                        |                              |                      |                               | 65                                          | 600                    | L          | 1000               |
| 5804           | 480 Vac          | 600                   | 800                     | 35                                          | 600                                    | 0.05                                     |                                             |                        |                              |                      |                               |                                             |                        |            |                    |
|                | 600 Vac          | -----                 | 800                     |                                             |                                        |                                          |                                             |                        |                              |                      |                               |                                             |                        |            |                    |
| 5903           | 240 Vac          | 700                   | 1200                    |                                             |                                        |                                          |                                             |                        |                              |                      |                               | 65                                          | 600                    | L          | 1600               |
| 5904           | 480 Vac          | 600                   | 1200                    | 35                                          | 600                                    | 0.05                                     |                                             |                        |                              |                      |                               |                                             |                        |            |                    |
|                | 600 Vac          | -----                 | 1200                    |                                             |                                        |                                          |                                             |                        |                              |                      |                               |                                             |                        |            |                    |

'-SE' Denotes: SUITABLE FOR USE AS SERVICE EQUIPMENT  
NOT SUITABLE FOR USE AS SERVICE EQUIPMENT IN CANADA

Total System Amperage - Suitable for control of motors, electric discharge lamps, tungsten filament lamps and electric heating equipment where the sum of motor full-load ampere ratings and the ampere ratings of other loads do not exceed the ampere rating of the switch and the tungsten load does not exceed 30 percent of switch rating.

\* When the switch is used as Service Equipment, the Bonding Jumper must be installed connecting the Neutral Assembly to the Panel. Reference Article 230 of NFPA 70® / National Electrical Code® for information on Service Installations.

Per 230-91, when the Service Overcurrent Device is not an integral part of the Service Disconnecting Means, it "shall be located immediately adjacent thereto". Reference Article 250 for information on grounding and bonding.

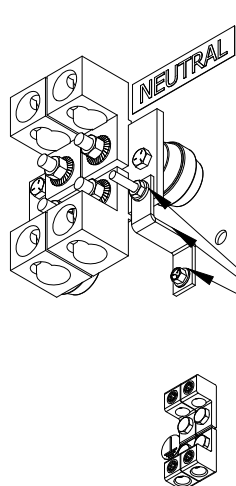
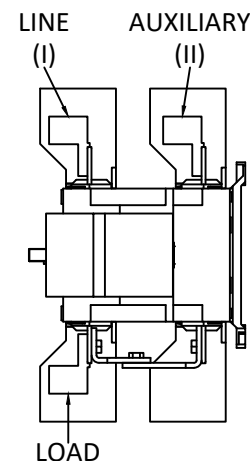
NOT SUITABLE FOR USE AS SERVICE EQUIPMENT IN CANADA

For 5102-SE, 5103-SE, 5202-SE, 5203-SE  
Use the included bonding braid and #10-32 ground screws.  
Torque: 30 in-lbs.

For 5302-SE, 5303-SE, 5402-SE, 5403-SE  
Use the included copper bus bar and 1/4-20 hardware.  
Torque: 75 in-lbs.

For 5803-SE  
Use the included copper bus bar and 3/8-16 hardware.  
Torque: 240 in-lbs.

TOP OF SWITCH



Revision Description

Included Catalog Numbers for standard switches, non-SUSE.

Rev CN

Date 3/11/2026

BY NCL

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