

# Product Details and Certifications

**Cross Reference RA Part Number: 25138-102-02**

 **Product: 25138-102-02**

Description: Disconnect Switch with Fuse Clips and Trailer Block  
3 Poles, 30A 250V



Representative Photo Only (actual product may vary based on configuration selections)

## ***SYSTEM DATA***

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|                     |                       |
|---------------------|-----------------------|
| Disconnect Sw Type  | DS- Disconnect Switch |
| Number of Poles     | 3 Poles               |
| Voltage             | 600V AC - 250V DC     |
| Interrupting Rating | 950 Amps              |
| Rated Current(A)    | 30 A                  |

## ***MANUFACTURING***

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|          |                   |
|----------|-------------------|
| Assembly | Factory Assembled |
|----------|-------------------|

## Product Selection

## DS Type Switch

## Switch Ordering Information

| Switch Rating    | Fuse Clip Rating Ampere | Type Volts <sup>①</sup> | Catalog Number <sup>②③</sup> |
|------------------|-------------------------|-------------------------|------------------------------|
| 30               | No fuse <sup>④</sup>    | —                       | DS16U                        |
| 30               | 30                      | NEC 250                 | DS121R                       |
| 30               | 30                      | NEC 600                 | DS161R                       |
| 30               | 60                      | NEC 250                 | DS122                        |
| 30               | 60                      | NEC 600                 | DS162                        |
| 60               | No fuse <sup>④</sup>    | —                       | DS26U                        |
| 60               | 60                      | NEC 250                 | DS222R                       |
| 60               | 60                      | NEC 600                 | DS262R                       |
| 60               | 100                     | NEC 250/600             | DS263                        |
| 100              | No fuse <sup>④</sup>    | —                       | DS36U                        |
| 100              | 100                     | NEC 250/600             | DS363R                       |
| 100 <sup>⑤</sup> | 200                     | NEC 250/600             | DS364                        |
| 400              | No fuse <sup>④</sup>    | —                       | DS56U                        |
| 400              | 400                     | NEC 250/600             | DS565R                       |
| 600              | No fuse <sup>④</sup>    | —                       | DS66U                        |
| 600              | 600                     | NEC 250/600             | DS666R                       |

## Options and Accessories

## Base Mounting Hardware

**Note:** Order separately when required. No charge when ordered with switch.

## Base Mounting Hardware

| Description              | Catalog Number |
|--------------------------|----------------|
| 30, 60, 100A non-fusible | 624B375G17     |
| 30, 60, 100A fusible     | 624B375G17     |
| 400 or 600A non-fusible  | 673B125G04     |
| 400 or 600A Fusible      | 673B125G05     |

## Auxiliary Switch Kits

**Note:** Permits field mounting of an auxiliary switch for separate control circuit applications. Each switch includes three soldered, identified leads. Rated 250V maximum.

## Auxiliary Switch Kits

| Switch Used With | Contact Arrangement | Kit Catalog Number |
|------------------|---------------------|--------------------|
| 30, 60, 100A     | 1A-1B               | 178C265G05         |
| 30, 60, 100A     | 2As-2Bs             | 178C265G06         |

## Class R Fuse Clip Conversion Kits for Type DS Switches

| Switch Rating Amperes | Volts   | Kit Catalog Number |
|-----------------------|---------|--------------------|
| 30                    | 250     | RFK121             |
| 30                    | 600     | RFK161             |
| 60                    | 250     | RFK222             |
| 60                    | 600     | RFK262             |
| 100                   | 250/600 | RFK464             |
| 400                   | 250/600 | RFK666             |
| 600                   | 250/600 | RFK666             |

## Notes

- ① 600V ratings are suitable for Class J fuses.
- ② Switches with Catalog Number Suffix **R** are UL listed for use with Class R fuses when fuse clip conversion kits shown on this page are used.
- ③ Switches with Catalog Number Suffix **R** or **U** are CSA listed.
- ④ Rated 600V.
- ⑤ Supplied as unfused switch with separate fuse blocks.
- ⑥ Not UL listed.

## Technical Data and Specifications

### Maximum Horsepower

| Type<br>Switch | Maximum Horsepower Ratings |            |          |            |          |            |          |            |         |
|----------------|----------------------------|------------|----------|------------|----------|------------|----------|------------|---------|
|                | 120 Vac                    |            | 240 Vac  |            | 480 Vac  |            | 600 Vac  |            | 250 Vdc |
|                | Standard                   | Time Delay | Standard | Time Delay | Standard | Time Delay | Standard | Time Delay |         |
| DS16U          | 5                          | —          | 10       | —          | 20       | —          | 25       | —          | 7-1/2   |
| <b>DS121R</b>  | 1-1/2                      | 3          | 3        | 7-1/2      | —        | —          | —        | —          | 5       |
| DS122          | 3                          | —          | 7-1/2    | —          | —        | —          | —        | —          | 5       |
| DS161R         | —                          | —          | —        | —          | 5        | 15         | 7-1/2    | 20         | 5       |
| DS162          | —                          | —          | —        | —          | 15       | —          | 15       | —          | 5       |
| DS26U          | 10                         | —          | 20       | —          | 40       | —          | 60       | —          | 15      |
| DS222R         | 3                          | 7-1/2      | 7-1/2    | 15         | —        | —          | —        | —          | 10      |
| DS262R         | —                          | —          | —        | —          | 15       | 30         | 15       | 50         | 10      |
| DS263          | —                          | —          | 15       | —          | 25       | —          | 30       | —          | 10      |
| DS36U          | 15                         | —          | 30       | —          | 75       | —          | 75       | —          | 25      |
| DS363R         | —                          | —          | 15       | 30         | 25       | 60         | 30       | 75         | 20      |
| DS364          | —                          | —          | 25       | —          | 50       | —          | 60       | —          | 20      |
| DS56U          | —                          | —          | 100      | —          | 250      | —          | 350      | —          | —       |
| DS565R         | —                          | —          | 50       | 100        | 100      | 250        | 125      | 350        | —       |
| DS66U          | —                          | —          | 100      | —          | 400      | —          | 500      | —          | —       |
| DS666R         | —                          | —          | 75       | 100        | 150      | 400        | 200      | 500        | —       |

### Terminal Data

| Switch Rating | Wire Range                                 |                                       |
|---------------|--|---------------------------------------|
|               | Copper                                     | Aluminum                              |
| 30            | #14-#2                                     | #12-#2                                |
| 60            | #14-#2                                     | #12-#2                                |
| 100           | #14-1/0                                    | #12-1/0                               |
| 400           | (1) #4-600 kcmil or (2) 1/0-3/0            | (1) #4-600 kcmil or (2) 1/0-250 kcmil |
| 600           | Same as 400A except two terminals per pole | —                                     |

#### Note

Terminals are suitable for either copper or aluminum cable.