

Electrical Sector Solutions

# Volume 2: Commercial Distribution



*Powering Business Worldwide*

EnviroLine/Window Switch



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### EnviroLine—Upper and Lower Window Switches

#### Product Description

The new enlarged window on 30–100A ratings allows visual blade position verification and blown fuse indication without opening the door. Higher ampere ratings continue to use the upper and lower window design. The upper window switch provides visual verification of ON/OFF status (blade position), while the lower window design shows fuse status on fuses with blown fuse indicators. Overall ratings are 30–800A, 240–600 Vac, fusible and non-fusible. Available in NEMA 12/3R, 4X stainless steel enclosures.

#### Features

##### Upper Window

- 30–800A
- Blade visibility when door closed
- 240V and 600V, fusible and non-fusible
- Suitable for service entrance use
- NEMA 12, 4 and 4X enclosures

##### Lower Window

- 30–600A
- Power plugs not supplied with the receptacle
- Lower viewing window over fuses to allow visual verification of blown fuse indicators for Littelfuse, Inc. fuses
- 240V and 600V, fusible
- Suitable for service entrance use
- NEMA 12, 4 and 4X enclosures

#### Standards and Certifications

- Upper and lower window UL listed and NEMA approved
- UL 98
- UL listed under Section 508
- UL listed File No. E165150 and E5239



### Product Selection

DH361UDKW



#### 240 Vac Heavy-Duty, Fusible Single-Throw with Upper Viewing Window

| System   | Ampere Rating | Fuse Class Provision | Maximum Horsepower Ratings with Time Delay Fuses |             |              |             | DC 250V | NEMA 12 Enclosure Industrial, Dust-Tight Catalog Number | NEMA 4 Enclosure Watertight, Painted Steel Catalog Number | NEMA 4X Enclosure Corrosion-Resistant, Stainless Steel Catalog Number |
|--|---------------|----------------------|--|-------------|--------------|-------------|---------|---|---|---|
|  |               |                      | AC Standard Fuse                                 |             | Time Delay   |             |         |   |   |   |
|  |               |                      | Single-Phase                                     | Three-Phase | Single-Phase | Three-Phase |         |   |   |   |
| <b>Four-Wire (Three Blades, Three Fuses, S/N), 240 Vac—250 Vdc ①</b> |               |                      |  |             |              |             |         |   |   |   |
|  | 30            | H                    | —  | 3           | —            | 7-1/2       | —       | DH321NDKW ②   | —   | DH321NWKW   |
|  | 60            | H                    | —  | 7-1/2       | —            | 15          | —       | DH322NDKW ②   | —   | DH322NWKW   |
|  | 100           | H                    | —  | 15          | —            | 30          | 20      | DH323NDKW ②   | —   | DH323NWKW   |
|  | 200           | H                    | —  | 25          | —            | 60          | —       | DH324NDKW ②   | —   | DH324NWKW   |
|  | 400           | H                    | —  | 50          | —            | 125         | 50      | DH325NDKW ②   | DH325NPKW   | DH325NWKW   |
|  | 600           | H                    | —  | 75          | —            | 200         | —       | DH326NDKW ②   | DH326NPKW   | DH326NWKW   |
|  | 800           | L                    | —  | 100         | —            | 250         | —       | DH327NDKW ②   | DH327NPKW   | DH327NWKW   |

#### 600 Vac Heavy-Duty, Fusible Single-Throw with Upper Viewing Window

| System   | Ampere Rating | Fuse Class Provision | Maximum Horsepower Ratings with Time Delay Fuses |      |                |      | DC 250V 600V | NEMA 12 Enclosure Industrial, Dust-Tight Catalog Number | NEMA 4 Enclosure Watertight, Painted Steel Catalog Number | NEMA 4X Enclosure Corrosion-Resistant, Stainless Steel Catalog Number |
|--|---------------|----------------------|--|------|----------------|------|--------------|---|---|---|
|  |               |                      | Single-Phase AC                                  |      | Three-Phase AC |      |              |   |   |   |
|  |               |                      | 480V   | 600V | 480V           | 600V |              |   |   |   |
| <b>Four-Wire (Three Blades, Three Fuses, S/N), 600 Vac—250 Vdc ①</b> |               |                      |  |      |                |      |              |   |   |   |
|  | 30            | H                    | 7-1/2  | 10   | 15             | 20   | —            | DH361NDKW ②   | —   | DH361NWKW   |
|  | 60            | H                    | 20   | 25   | 30             | 50   | —            | DH362NDKW ②   | —   | DH362NWKW   |
|  | 100           | H                    | 30   | 40   | 60             | 75   | —            | DH363NDKW ②   | —   | DH363NWKW   |
|  | 200           | H                    | 50   | 50   | 125            | 150  | —            | DH364NDKW ②   | —   | DH364NWKW   |
|  | 400           | H                    | —  | —    | 250            | 350  | —            | DH365NDKW ②   | DH365NPKW   | DH365NWKW   |
|  | 600           | H                    | —  | —    | 400            | 500  | —            | DH366NDKW ②   | DH366NPKW   | DH366NWKW   |
|  | 800           | L                    | —  | —    | 500            | 500  | —            | DH367NDKW ②   | DH367NPKW   | DH367NWKW   |

DH361UWKW



#### 600 Vac Heavy-Duty, Non-Fusible Single-Throw with Upper Viewing Window

| System  | Ampere Rating | Maximum Horsepower Ratings |      |                |      |      |      | NEMA 12 Enclosure Industrial, Dust-Tight Catalog Number | NEMA 4 Enclosure Watertight, Painted Steel Catalog Number | NEMA 4X Enclosure Corrosion-Resistant, Stainless Steel Catalog Number |
|---|---------------|----------------------------|------|----------------|------|------|------|---|---|---|
|   |               | Single-Phase AC            |      | Three-Phase AC |      | DC   |      |   |   |   |
|   |               | 480V                       | 600V | 480V           | 600V | 250V | 600V |   |   |   |
| <b>Three-Pole—600 Vac, 250 Vdc ① (Suitable for Service Entrance Use with a Neutral or Ground Lug Kit Installed)</b> |               |                            |      |                |      |      |      |   |   |   |
|   | 30            | 7-1/2                      | 10   | 20             | 30   | 5    | —    | DH361UDKW ②   | —   | DH361UWKW   |
|   | 60            | 20                         | 25   | 50             | 60   | 10   | —    | DH362UDKW ②   | —   | DH362UWKW   |
|   | 100           | 40                         | 50   | 75             | 100  | 20   | —    | DH363UDKW ②   | —   | DH363UWKW   |
|   | 200           | 50                         | 50   | 125            | 150  | 40   | —    | DH364UDKW ②   | —   | DH364UWKW   |
|   | 400           | —                          | —    | 250            | 350  | 50   | —    | DH365UDKW ②   | DH365UPKW   | DH365UWKW   |
|   | 600           | —                          | —    | 400            | 500  | —    | —    | DH366UDKW ②   | DH366UPKW   | DH366UWKW   |
|   | 800           | —                          | —    | 500            | 500  | —    | —    | DH367UDKW ②   | DH367UPKW   | DH367UWKW   |

**Notes**

- ① For two-pole applications, use outside poles of three-pole switch.
  - ② NEMA 12 enclosures (30–800A) can be field modified to meet NEMA 3R rainproof requirements when a factory provided drain hole is opened.
- 30A heavy-duty switches with Type J fuse provisions are available from the factory only. See table on **Page V2-T1-18** for catalog numbers.

Effective August 2003, 30–100A window switches offer visible blade verification and blown fuse indication in a single design as shown in the photos. The window is replaceable. Higher ampere ratings will continue to be manufactured with a non-replaceable epoxy affixed design with visible blade verification only.

### EnviroLine/Receptacle Switch



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| Solar Disconnect Switch . . . . .   | <b>V2-T1-70</b>  |
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| Auxiliary Power Heavy-Duty Safety Switch . . . . .                        | <b>V2-T1-83</b>  |
| Left-Handed Safety Switch . . . . .                                       | <b>V2-T1-86</b>  |
| 200% Neutral Safety Switches . . . . .                                    | <b>V2-T1-87</b>  |
| Pringle Bolted Pressure Switch . . . . .                                  | <b>V2-T1-88</b>  |
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### EnviroLine—Receptacle Switches

#### Product Description

These heavy-duty switches are pre-wired and interlocked to polarized receptacles for three-phase, three-wire, grounded type power plugs. Receptacles are interlocked to handle mechanisms so that power plugs may not be inserted or removed when the switch is in the ON position unless noted otherwise. Ratings are 30–100A, 600 Vac, NEMA 12/3R, 4X stainless steel enclosures.

- 30–100A
- Power plugs not supplied with the receptacle

#### Application Description

These are used for portable power applications such as welders, infrared ovens, batch feeders, conveyors, truck and marine docks.

#### Standards and Certifications

- Upper and lower window UL listed and NEMA approved
- UL 98
- UL listed under Section 508
- UL listed File No. E165150 and E5239



## Product Selection

600 Vac Heavy-Duty, Single-Throw with Receptacle, Fusible, Non-Fusible

DH362FDK2WR



## Safety Switch with Receptacle K-Series, Three-Pole, 600 Volt Fuse Clips—Fusible

| Ampere Rating                                    |            | Power Plug                              | NEMA 12/3R Enclosure | NEMA 4X Enclosure  |
|--|------------|---|----------------------|--------------------|
| Switch   | Receptacle |   | Catalog Number       | Catalog Number     |
| <b>Crouse-Hinds ARKTITE® Receptacle</b>          |            |   |                      |                    |
| 30   | 30         | Accepts Crouse-Hinds®<br><b>APJ3485</b> | <b>DH361FDK2WR</b>   | <b>DH361FWK2WR</b> |
| 60   | 60         | <b>APJ6485</b>                          | <b>DH362FDK2WR</b>   | <b>DH362FWK2WR</b> |
| 100  | 100        | <b>APJ10487</b>                         | <b>DH363FDK2WR</b>   | <b>DH363FWK2WR</b> |
| <b>M-R-S (Russellstoll) MAX-GARD® Receptacle</b> |            |   |                      |                    |
| 30   | 30         | Accepts Russellstoll<br><b>DS3404MP</b> | <b>DH361FD3WRK</b>   | <b>DH361FW3WRK</b> |
| 60   | 60         | <b>DS6404MP</b>                         | <b>DH362FD3WRK</b>   | <b>DH362FW3WRK</b> |
| 100  | 100        | <b>DS1404MP</b>                         | <b>DH363FD3WRK</b>   | <b>DH363FW3WRK</b> |
| <b>Appleton POWERTITE® Receptacle</b>            |            |   |                      |                    |
| 30   | 30         | Accepts Appleton<br><b>ACP3034BC</b>    | <b>DH361FD5WRK</b>   | <b>DH361FW5WRK</b> |
| 60   | 60         | <b>ACP6034BC</b>                        | <b>DH362FD5WRK</b>   | <b>DH362FW5WRK</b> |
| 100  | 100        | <b>ACP1034CD</b>                        | <b>DH363FD5WRK</b>   | <b>DH363FW5WRK</b> |

## Safety Switch with Receptacle K-Series, Three-Pole, 600 Volt Fuse Clips—Non-Fusible

| Ampere Rating                          |            | Power Plug                             | NEMA 12/3R Enclosure | NEMA 4X Enclosure  |
|--|------------|--|----------------------|--------------------|
| Switch                                 | Receptacle |  | Catalog Number       | Catalog Number     |
| <b>Crouse-Hinds ARKTITE Receptacle</b> |            |  |                      |                    |
| 60                                     | 60         | Accepts Crouse-Hinds<br><b>APJ6485</b> | <b>DH362UDK2WR</b>   | <b>DH362UWK2WR</b> |
| <b>Appleton POWERTITE Receptacle</b>   |            |  |                      |                    |
| 30                                     | 30         | Accepts Appleton<br><b>ACP3034BC</b>   | <b>DH361UD5WRK</b>   | —                  |
| 60                                     | 60         | <b>ACP6034BC</b>                       | <b>DH362UD5WRK</b>   | <b>DH362UW5WRK</b> |

**Notes**

Contact the Safety Switch Flex Center (1-888-329-9272 or FlexSwitches@eaton.com) for additional options including viewing windows and other receptacle manufacturers. Power plugs are not available through Eaton.