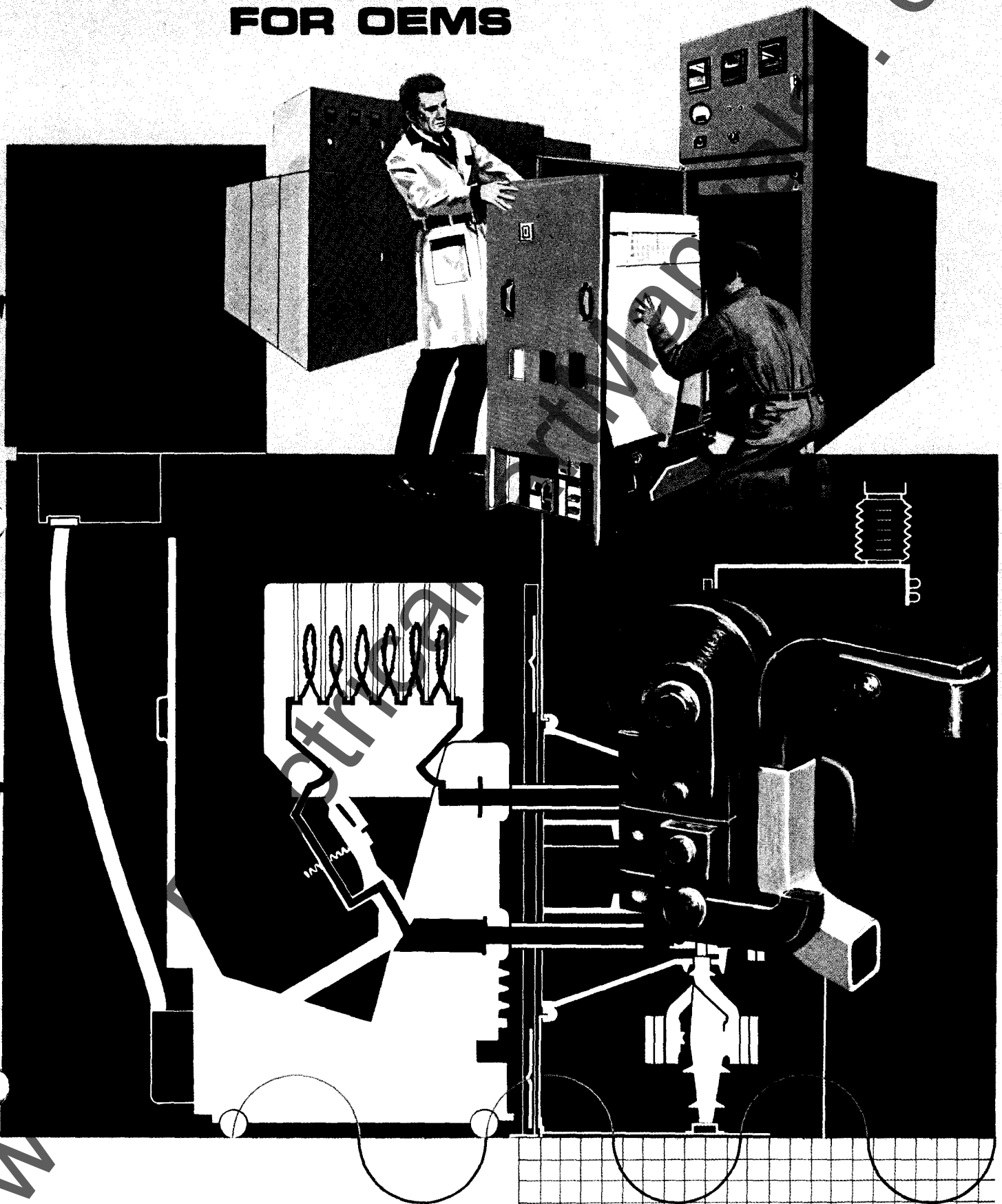
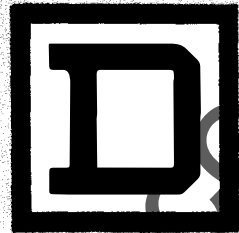


# SOLENARC DSE CIRCUIT BREAKERS FOR OEMS



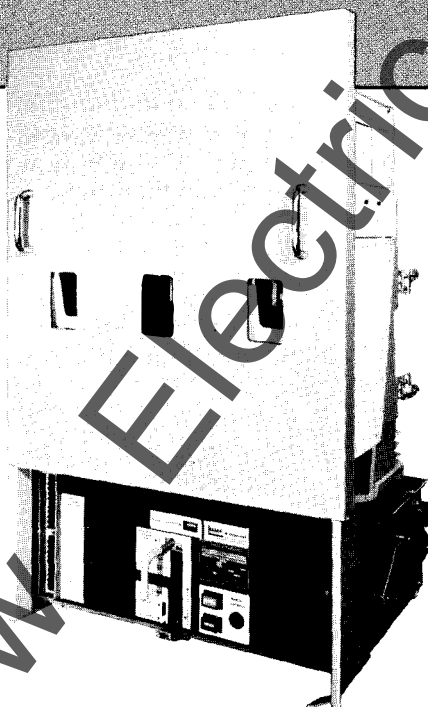


## Square D 5-15KV SOLENARC® Circuit Breakers - The Ultimate in System and Circuit Protection

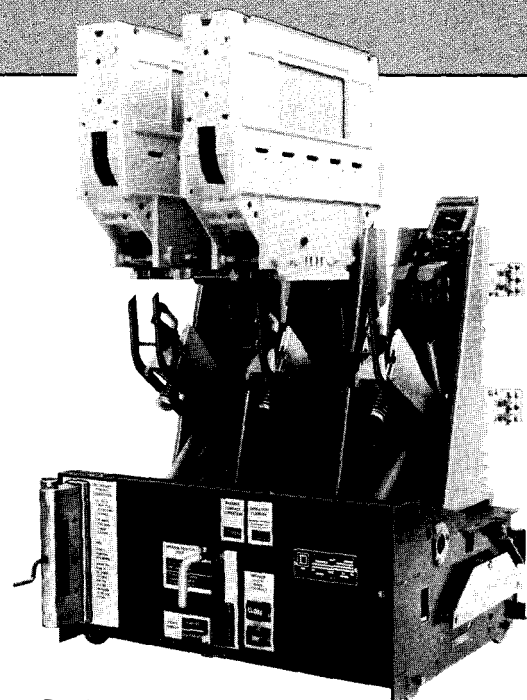
SOLENARC Circuit Breakers from Square D Company are available in 1200, 2000 and 3000 ampere frame sizes for 5000, 7500 and 15,000 volt ac service, with interrupting capacities from 75 MVA to 750 MVA. These breakers meet NEMA and ANSI Standards.

### EXCLUSIVE STANDARD FEATURES INCLUDE:

- Visible blades (inspection windows).
- Plug-in secondary control connection.
- Up to 17 "A" and "B" contacts available.
- Guaranteed to 100,000 operations (slight price adder).
- Change MVA rating by simply changing arc chutes.
- Increase close and latch rating by field service.
- Extremely light weight ( $\frac{1}{2}$  the weight of competitive breaker).
- Arc chutes can be changed by one man.
- Blade and jaw power contacts.
- Blow-on construction for higher fault closing ratings.
- Operation counter (standard).



Complete Breaker Assembly.

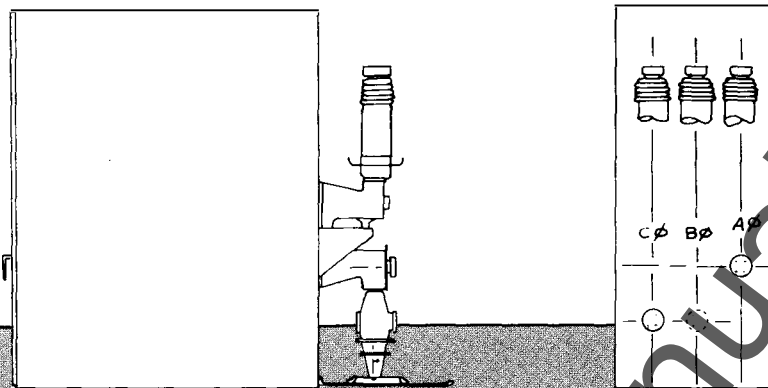


Breaker with Front Plate and one arc chute removed.

# SOLENARC DSE Circuit Breaker

## FOUR BASIC ENCLOSURES OFFERED

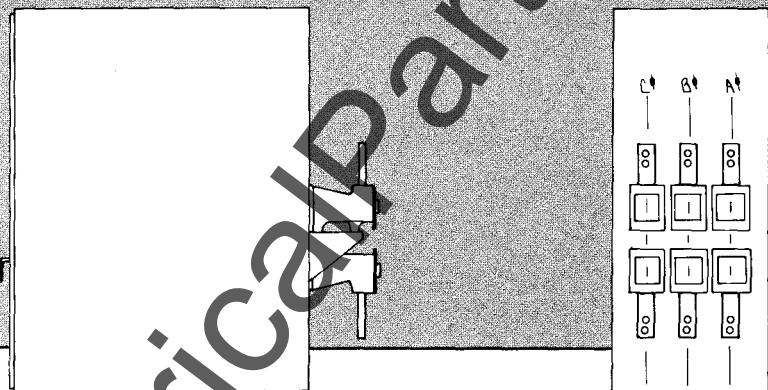
**FIGURE 1**  
With Cable  
Termination  
Bushings.



### ENCLOSURE INCLUDES:

- Guide rails welded to base for proper breaker positioning
- Breaker positioning interlocks
- Stationary contacts with bushing and bell assembly
- Provisions for mounting 3 Electromagnetic Industries' Type No. 110 current transformers per phase on cable termination bushings
- 3 stand-off insulated cross over bus supports.

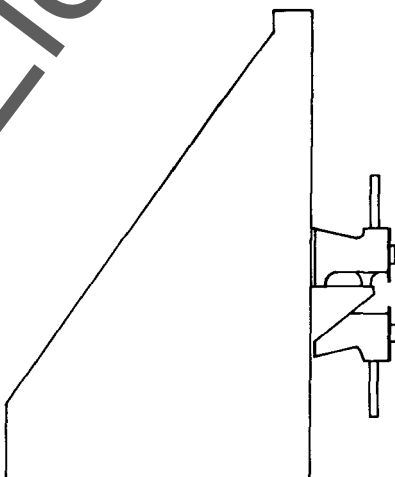
**FIGURE 2**  
Less Cable  
Termination  
Bushings.



### ENCLOSURE INCLUDES:

- Guide rails welded to base for proper breaker positioning
- Breaker positioning interlocks
- Stationary contacts and bell assembly with silver plated copper terminals
- Full hinged front door (includes hardware).

**FIGURE 3**  
Less Cable  
Termination  
Bushings (also  
available with  
cable termination  
bushings).



### ENCLOSURE INCLUDES:

- Eleven gauge steel housing less door and top cover
- Grounded steel shutters for stationary contacts
- Guide rails welded to base for proper breaker positioning
- Breaker positioning interlocks
- Stationary contacts and bell assembly with silver plated copper terminals.

# SOLENARC DSE Circuit Breaker

## APPLICATION DATA AND PRICES

| Type of Breaker | Nominal Rating  |                | Rated Cont. Current 60 Hertz Amps.—RMS | Rated Voltages         |                          |                        | Insulation Level Rated With Stand |                           | Interrupting Ratings Amps.—Symmetrical |                      |                      | Asymmetrical Rating Factor* | Short Time Rating 3 Sec. Amps.—RMS | Close & Latch Rating Amps.—RMS | Interrupting Time Cycles | *Complete Device<br><br>List Price |
|-----------------|-----------------|----------------|----------------------------------------|------------------------|--------------------------|------------------------|-----------------------------------|---------------------------|----------------------------------------|----------------------|----------------------|-----------------------------|------------------------------------|--------------------------------|--------------------------|------------------------------------|
|                 | Three Phase MVA | Voltage KV—RMS |                                        | Maximum Voltage KV—RMS | K—Factor Max. KV Min. KV | Minimum Voltage KV—RMS | Low Frequency KV—RMS              | Impulse 1.2x50MS KV—CREST | Maximum KV Amps.—RMS                   | Nominal KV Amps.—RMS | Minimum KV Amps.—RMS |                             |                                    |                                |                          |                                    |
| DSE-21          | 75              | 4.16           | 1200                                   | 4.76                   | 1.36                     | 3.50                   | 19                                | 60                        | 8,800                                  | 10,000               | 12,000               | 1.1                         | 12,000                             | 19,000                         | 5                        | \$ 9,120.                          |
| DSE-23          | 150             | 4.16           | 1200                                   | 4.76                   | 1.36                     | 3.50                   | 19                                | 60                        | 18,000                                 | 20,600               | 24,000               | 1.1                         | 24,000                             | 39,000                         | 5                        | 9,350.                             |
| DSE-23B         | 250             | 4.16           | 1200                                   | 4.76                   | 1.24                     | 3.85                   | 19                                | 60                        | 29,000                                 | 33,200               | 36,000               | 1.1                         | 36,000                             | 58,000                         | 5                        | 9,800.                             |
| DSE-23B         | 250             | 4.16           | 2000                                   | 4.76                   | 1.24                     | 3.85                   | 19                                | 60                        | 29,000                                 | 33,200               | 36,000               | 1.1                         | 36,000                             | 58,000                         | 5                        | 13,540.                            |
| DSE-25C         | 350             | 4.16           | 1200                                   | 4.76                   | 1.19                     | 4.0                    | 19                                | 60                        | 41,000                                 | 46,900               | 49,000               | 1.1                         | 49,000                             | 78,000                         | 5                        | 15,110.                            |
| DSE-25C         | 350             | 4.16           | 2000                                   | 4.76                   | 1.19                     | 4.0                    | 19                                | 60                        | 41,000                                 | 46,900               | 49,000               | 1.1                         | 49,000                             | 78,000                         | 5                        | 19,455.                            |
| DSE-23BU        | 250             | 7.20           | 1200                                   | 8.25                   | 1.79                     | 4.6                    | 36                                | 95                        | 17,000                                 | 19,500               | 30,000               | 1.1                         | 30,000                             | 49,000                         | 5                        | 13,105.                            |
| DSE-25CU        | 500             | 7.20           | 1200                                   | 8.25                   | 1.25                     | 6.6                    | 36                                | 95                        | 33,000                                 | 37,800               | 41,000               | 1.1                         | 41,000                             | 66,000                         | 5                        | 14,625.                            |
| DSE-25CU        | 500             | 7.20           | 2000                                   | 8.25                   | 1.25                     | 6.6                    | 36                                | 95                        | 33,000                                 | 37,800               | 41,000               | 1.1                         | 41,000                             | 66,000                         | 5                        | 17,670.                            |
| DSE-25CU        | 500             | 7.20           | 3000                                   | 8.25                   | 1.25                     | 6.6                    | 36                                | 95                        | 33,000                                 | 37,800               | 41,000               | 1.1                         | 41,000                             | 66,000                         | 5                        | 25,105.                            |
| DSE-62          | 250             | 13.8           | 1200                                   | 15.0                   | 2.27                     | 6.6                    | 36                                | 95                        | 9,300                                  | 10,100               | 21,000               | 1.1                         | 21,000                             | 34,000                         | 5                        | 12,050.                            |
| DSE-65          | 500             | 13.8           | 1200                                   | 15.0                   | 1.30                     | 11.5                   | 36                                | 95                        | 18,000                                 | 19,500               | 23,000               | 1.1                         | 23,000                             | 37,000                         | 5                        | 13,880.                            |
| DSE-65          | 500             | 13.8           | 2000                                   | 15.0                   | 1.30                     | 11.5                   | 36                                | 95                        | 18,000                                 | 19,500               | 23,000               | 1.1                         | 23,000                             | 37,000                         | 5                        | 17,085.                            |
| DSE-65          | 500             | 13.8           | 3000                                   | 15.0                   | 1.30                     | 11.5                   | 36                                | 95                        | 18,000                                 | 19,500               | 23,000               | 1.1                         | 23,000                             | 37,000                         | 5                        | 24,425.                            |
| DSE-57          | 750             | 13.8           | 1200                                   | 15.0                   | 1.30                     | 11.5                   | 36                                | 95                        | 28,000                                 | 30,400               | 36,000               | 1.1                         | 36,000                             | 58,000                         | 5                        | 21,716.                            |
| DSE-57          | 750             | 13.8           | 2000                                   | 15.0                   | 1.30                     | 11.5                   | 36                                | 95                        | 28,000                                 | 30,400               | 36,000               | 1.1                         | 36,000                             | 58,000                         | 5                        | 27,850.                            |
| DSE-57          | 750             | 13.8           | 3000                                   | 15.0                   | 1.30                     | 11.5                   | 36                                | 95                        | 28,000                                 | 30,400               | 36,000               | 1.1                         | 36,000                             | 58,000                         | 5                        | 38,675.                            |

### NOW ALSO AVAILABLE

|          |     |      |      |      |      |      |    |    |        |        |        |     |        |        |   |           |
|----------|-----|------|------|------|------|------|----|----|--------|--------|--------|-----|--------|--------|---|-----------|
| DSE-23BH | 250 | 4.16 | 1200 | 4.76 | 1.24 | 3.85 | 19 | 60 | 29,000 | 33,200 | 36,000 | 1.1 | 36,000 | 78,000 | 5 | \$12,680. |
| DSE-23BH | 250 | 4.16 | 2000 | 4.76 | 1.24 | 3.85 | 19 | 60 | 29,000 | 33,200 | 36,000 | 1.1 | 36,000 | 78,000 | 5 | 14,550.   |
| DSE-25B  | 350 | 4.16 | 3000 | 4.76 | 1.19 | 4.0  | 19 | 60 | 41,000 | 46,900 | 49,000 | 1.1 | 49,000 | 78,000 | 5 | 30,105.   |
| DSE-65H  | 500 | 13.8 | 1200 | 15.0 | 1.30 | 11.5 | 36 | 95 | 18,000 | 19,500 | 23,000 | 1.1 | 23,000 | 58,000 | 5 | 14,955.   |
| DSE-65H  | 500 | 13.8 | 2000 | 15.0 | 1.30 | 11.5 | 36 | 95 | 18,000 | 19,500 | 23,000 | 1.1 | 23,000 | 58,000 | 5 | 18,165.   |
| DSE-65H  | 750 | 13.8 | 1200 | 15.0 | 1.30 | 11.5 | 36 | 95 | 28,000 | 30,400 | 36,000 | 1.1 | 36,000 | 78,000 | 5 | 23,380.   |
| DSE-57H  | 750 | 13.8 | 2000 | 15.0 | 1.30 | 11.5 | 36 | 95 | 28,000 | 30,400 | 36,000 | 1.1 | 36,000 | 78,000 | 5 | 29,535.   |

\*Prices include enclosure shown in Figure 2.

①All prices subject to OEM Conditions of Sale.

### DISCOUNT SCHEDULE F-9

For further information, contact your nearby Square D Sales Office. They're located in over 160 cities throughout the United States and abroad to serve you. Or, write to Square D Company, 1500 S. University Blvd., Middletown, Ohio 45042.



## SQUARE D COMPANY

Wherever Electricity is Distributed and Controlled