



August, 1980  
Supersedes TCS 36-672  
dated August, 1967

Indoor Current Limiting

## High Voltage Power Fuses

Mailed to: E, D/1971/DB

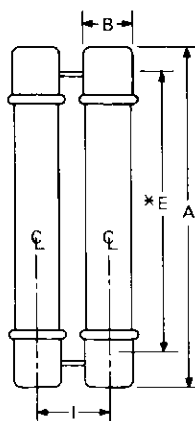
### CLS Fuses

Types CLS-1, CLS-2, CLS-15, CLS-25, CLS-12, CLS-22, CLS-14,  
CLS-24, CLS-18, CLS-28, CLS-13, CLS-23, HCLS-15, HCLS-25,  
HCLS-12, HCLS-22

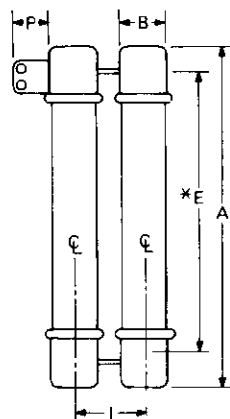
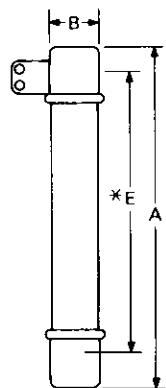
2400, 4800 and 7200 Volts, 15 to 480 Amps, 50/60 Cycle



CLS-1, CLS-13, CLS-14



CLS-2, CLS-23, CLS-24



\* E-Fuse Clip Center

CLS-12, CLS-15, CLS-18, CLS-22, CLS-25, CLS-28,  
HCLS-12, HCLS-15 HCLS-22, HCLS-25

| Line No. | Type of Fuse | Nominal Fuse Voltage Rating | Mtg. Size | Fuse Dimensions Inches |      |       |      |      |
|----------|--------------|-----------------------------|-----------|------------------------|------|-------|------|------|
|          |              |                             |           | A                      | B    | E     | I    | P    |
| 1        | CLS-1        | 2400                        | D         | 10.87                  | 3.00 | 7.00  | .... | .... |
| 2        | CLS-15       |                             | None      | 10.87                  | 3.00 | 7.00  | .... | 1.25 |
| 3        | CLS-12       |                             | None      | 15.91                  | 3.00 | 12.00 | .... | 1.25 |
| 4        | CLS-14       |                             | None      | 15.91                  | 3.00 | 12.00 | .... | .... |
| 5        | CLS-13       |                             | D         | 10.87                  | 3.00 | 7.00  | .... | .... |
| 6        | HCLS-15      |                             | None      | 10.87                  | 3.00 | 7.00  | .... | 1.25 |
| 7        | HCLS-12      |                             | None      | 15.91                  | 3.00 | 12.00 | .... | 1.25 |
| 8        | CLS-2        | 2400                        | E         | 10.87                  | 3.00 | 7.00  | 3.56 | .... |
| 9        | CLS-25       |                             | None      | 10.87                  | 3.00 | 7.00  | 3.56 | 1.25 |
| 10       | CLS-22       |                             | None      | 15.91                  | 3.00 | 12.00 | 3.31 | 1.25 |
| 11       | CLS-24       |                             | None      | 15.91                  | 3.00 | 12.00 | 3.31 | .... |
| 12       | CLS-23       |                             | E         | 10.87                  | 3.00 | 7.00  | 3.56 | .... |
| 13       | HCLS-25      |                             | None      | 10.87                  | 3.00 | 7.00  | 3.56 | 1.25 |
| 14       | HCLS-22      |                             | None      | 15.91                  | 3.00 | 12.00 | 3.31 | 1.25 |
| 15       | CLS-1        | 4800                        | D         | 17.84                  | 3.00 | 14.00 | .... | .... |
| 16       | CLS-12       |                             | None      | 15.91                  | 3.00 | 12.00 | .... | 1.25 |
| 17       | CLS-14       |                             | None      | 15.91                  | 3.00 | 12.00 | .... | .... |
| 18       | CLS-13       |                             | D         | 17.84                  | 3.00 | 14.00 | .... | .... |
| 19       | HCLS-12      | 4800                        | None      | 15.91                  | 3.00 | 12.00 | .... | 1.25 |
| 20       | CLS-2        |                             | E         | 17.84                  | 3.00 | 14.00 | 3.56 | .... |
| 21       | CLS-22       |                             | None      | 15.91                  | 3.00 | 12.00 | 3.31 | 1.25 |
| 22       | CLS-24       |                             | None      | 15.91                  | 3.00 | 12.00 | 3.31 | .... |
| 23       | CLS-23       |                             | E         | 17.84                  | 3.00 | 14.00 | 3.56 | .... |
| 24       | HCLS-22      |                             | None      | 15.91                  | 3.00 | 12.00 | 3.31 | 1.25 |
| 25       | CLS-18       | 7200                        | None      | 17.84                  | 3.00 | 14.00 | .... | 1.25 |
| 26       | CLS-28       | 7200                        | None      | 17.84                  | 3.00 | 14.00 | 3.56 | 1.25 |
| 27       | CLSS-18      | 7200                        | None      | 15.85                  | 3.00 | 12.00 | .... | 1.25 |
| 28       | CLSS-28      | 7200                        | None      | 15.85                  | 3.00 | 12.00 | 3.31 | 1.25 |

Customer \_\_\_\_\_ Address \_\_\_\_\_ G.O. \_\_\_\_\_

P.O. Number \_\_\_\_\_ Item \_\_\_\_\_ Approval ☐

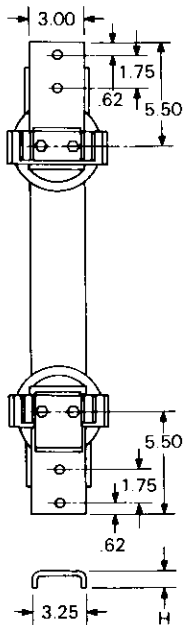
Apparatus \_\_\_\_\_ Reference ☐

Line No. \_\_\_\_\_ Certified \_\_\_\_\_ Date \_\_\_\_\_ Construction ☐

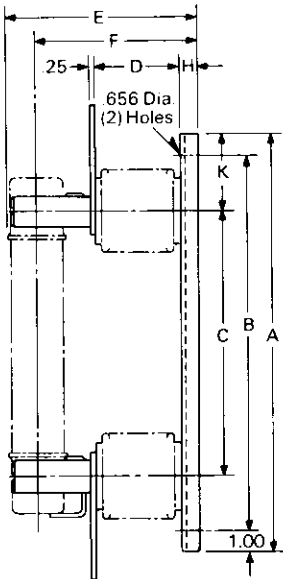
Other ☐



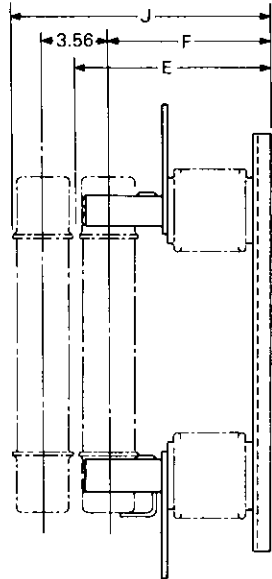
CLS Non-Disconnecting Mountings  
For Types CLS-1, CLS-2, CLS-13 and CLS-23



Front View of Mountings



Side View of Mounting  
for CLS-1 and CLS-13



Side View of Mounting  
for CLS-2 and CLS-23  
(Otherwise Same as Single  
Barrel Mounting)

| Line No. | Type of Fuse | Nominal Fuse Voltage Rating | Nominal Insulator Voltage Rating | Mtg. Size | Dimensions in Inches |       |       |      |      |      |     |       | Recom. Phase Spacing, Inches |
|----------|--------------|-----------------------------|----------------------------------|-----------|----------------------|-------|-------|------|------|------|-----|-------|------------------------------|
|          |              |                             |                                  |           | A                    | B     | C     | D    | E    | F    | H   | J     |                              |
| 1        | CLS-1        | 2400                        | 4800                             | D         | 22.00                | 20.00 | 7.00  | 3.50 | 8.92 | 7.30 | .88 | ..... | 9.0                          |
| 2        | CLS-13       | 2400                        | 4800                             | D         | 22.00                | 20.00 | 7.00  | 3.50 | 8.92 | 7.30 | .88 | ..... | 9.0                          |
| 3        | CLS-2        | 2400                        | 4800                             | E         | 22.00                | 20.00 | 7.00  | 3.50 | 9.05 | 7.43 | .88 | 12.61 | 9.0                          |
| 4        | CLS-23       | 2400                        | 4800                             | E         | 22.00                | 20.00 | 7.00  | 3.50 | 9.05 | 7.43 | .88 | 12.61 | 9.0                          |
| 5        | CLS-1        | 4800                        | 4800                             | D         | 22.00                | 20.00 | 14.00 | 3.50 | 8.92 | 7.30 | .88 | ..... | 10.0                         |
| 6        | CLS-13       | 4800                        | 4800                             | D         | 22.00                | 20.00 | 14.00 | 3.50 | 8.92 | 7.30 | .88 | ..... | 10.0                         |
| 7        | CLS-2        | 4800                        | 4800                             | E         | 22.00                | 20.00 | 14.00 | 3.50 | 9.05 | 7.43 | .88 | 12.61 | 10.0                         |
| 8        | CLS-23       | 4800                        | 4800                             | E         | 22.00                | 20.00 | 14.00 | 3.50 | 9.05 | 7.43 | .88 | 12.61 | 10.0                         |

Printed in USA

Customer \_\_\_\_\_ Address \_\_\_\_\_ G.O. \_\_\_\_\_

P.O. Number \_\_\_\_\_ Item \_\_\_\_\_ Approval ☐

Apparatus \_\_\_\_\_ Reference ☐

Line No. \_\_\_\_\_ Certified \_\_\_\_\_ Date \_\_\_\_\_ Construction ☐

Other ☐



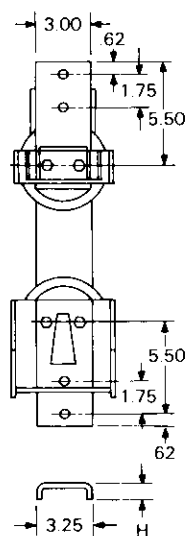
August, 1980  
Supersedes TCS 36-672  
dated August, 1967

Indoor Current Limiting

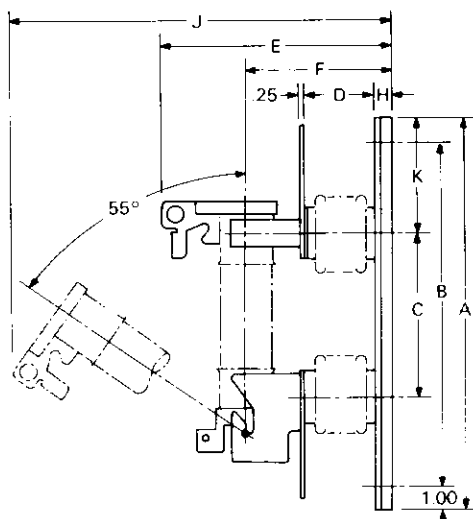
## High Voltage Power Fuses

Mailed to: E, D/1971/DB

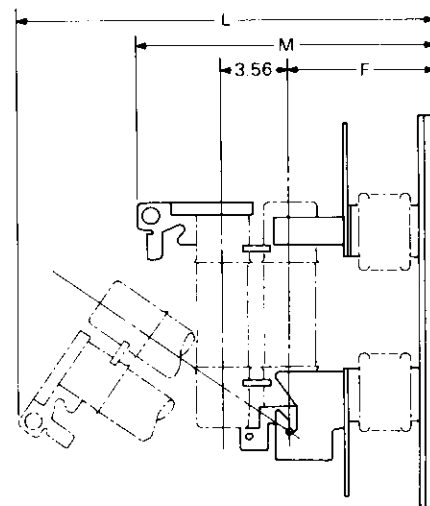
### CLS Disconnecting Mountings For Types CLS-1, CLS-2, CLS-13 and CLS-23



Front View of Mountings



Side View of Mounting for CLS-1 and CLS-13



Side View of Mounting for CLS-2 and CLS-23  
(Otherwise Same as Single Barrel Mounting)

| Line No. | Type of Fuse | Nominal Fuse Voltage Rating | Nominal Insulator Voltage Rating | Mtg. Size | Dimensions in Inches |       |       |      |       |      |     |       |      |       |       | Recom. Phase Spacing, Inches |
|----------|--------------|-----------------------------|----------------------------------|-----------|----------------------|-------|-------|------|-------|------|-----|-------|------|-------|-------|------------------------------|
|          |              |                             |                                  |           | A                    | B     | C     | D    | E     | F    | H   | J     | K    | L     | M     |                              |
| 1        | CLS-1        | 2400                        | 4800                             | D         | 22.00                | 20.00 | 7.00  | 3.50 | 11.85 | 7.47 | .88 | 18.85 | 7.50 | ..... | ..... | 9.0                          |
| 2        | CLS-13       | 2400                        | 4800                             | D         | 22.00                | 20.00 | 7.00  | 3.50 | 11.85 | 7.47 | .88 | 18.85 | 7.50 | ..... | ..... | 9.0                          |
| 3        | CLS-2        | 2400                        | 4800                             | E         | 22.00                | 20.00 | 7.00  | 3.50 | ..... | 7.47 | .88 | ..... | 7.50 | 20.91 | 15.41 | 9.0                          |
| 4        | CLS-23       | 2400                        | 4800                             | E         | 22.00                | 20.00 | 7.00  | 3.50 | ..... | 7.47 | .88 | ..... | 7.50 | 20.91 | 15.41 | 9.0                          |
| 5        | CLS-1        | 4800                        | 4800                             | D         | 22.00                | 20.00 | 14.00 | 3.50 | 11.84 | 7.46 | .88 | 24.71 | 4.00 | ..... | ..... | 10.0                         |
| 6        | CLS-13       | 4800                        | 4800                             | D         | 22.00                | 20.00 | 14.00 | 3.50 | 11.84 | 7.46 | .88 | 24.71 | 4.00 | ..... | ..... | 10.0                         |
| 7        | CLS-2        | 4800                        | 4800                             | E         | 22.00                | 20.00 | 14.00 | 3.50 | ..... | 7.46 | .88 | ..... | 4.00 | 26.65 | 15.40 | 10.0                         |
| 8        | CLS-23       | 4800                        | 4800                             | E         | 22.00                | 20.00 | 14.00 | 3.50 | ..... | 7.46 | .88 | ..... | 4.00 | 26.65 | 15.40 | 10.0                         |

Customer \_\_\_\_\_ Address \_\_\_\_\_ G.O. \_\_\_\_\_

P.O. Number \_\_\_\_\_ Item \_\_\_\_\_ Approval ☐

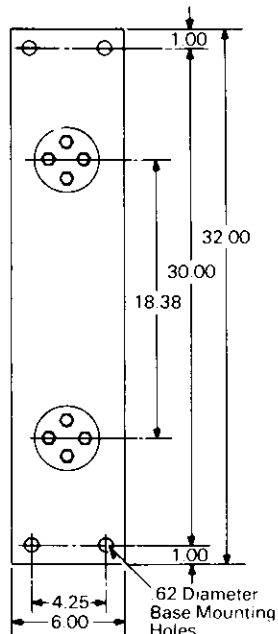
Reference ☐

Apparatus \_\_\_\_\_ Construction ☐

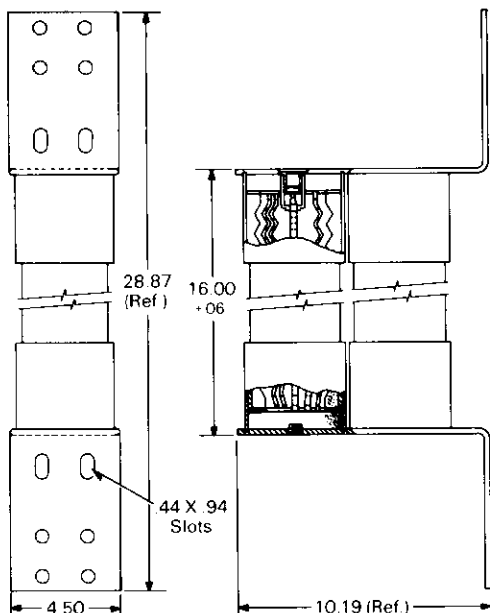
Line No. \_\_\_\_\_ Certified \_\_\_\_\_ Date \_\_\_\_\_ Other ☐



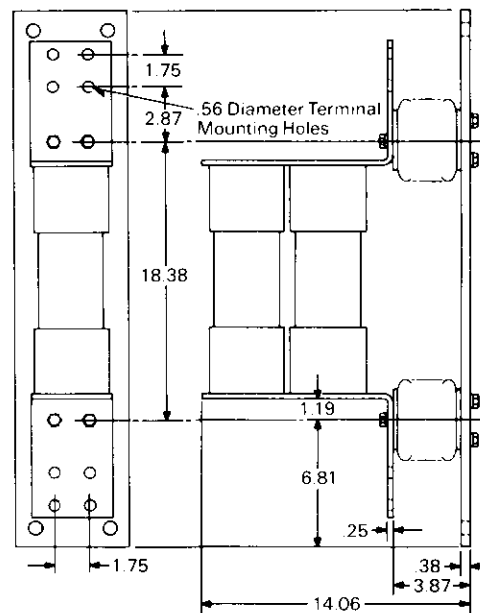
**CLS-700**  
2400 and 4800 Volts, 450 to 750 Amps, 50/60 Cycle



CLS-700 Fuse  
Mounting Base



CLS-700  
Fuse Unit

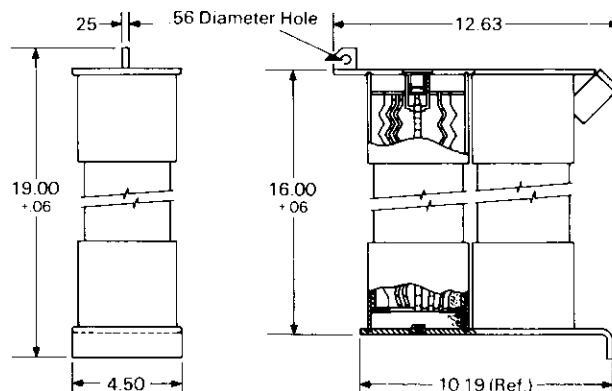


CLS-700 Fuse  
Attached to Mounting

| Item                    | Maximum Design Voltage | Amps | Style Number | RAMAD |
|-------------------------|------------------------|------|--------------|-------|
| CLS-700                 | 2750/5500              | 600  | 151D257G02   | 21510 |
| CLS-700                 | 2750/5500              | 650  | 151D257G01   | 62766 |
| Non-Disconnect Mounting |                        |      | 449D596G01   | 80641 |

| Item    | Maximum Design Voltage | Amps | Style Number | RAMAD |
|---------|------------------------|------|--------------|-------|
| CLS-700 | 2750/5500              | 450  | 140D045G03   | 62870 |
| CLS-700 | 2750/5500              | 600  | 140D045G01   | 71668 |
| CLS-700 | 2750/5500              | 650  | 140D045G02   | 19963 |
| CLS-700 | 2750/5500              | 600E | 151D979G01   | 73921 |
| CLS-700 | 2750/5500              | 750E | 151D979G02   | 21593 |



CLS-700 Fuse Unit

Printed in USA

Customer \_\_\_\_\_ Address \_\_\_\_\_ G.O. \_\_\_\_\_

P.O. Number \_\_\_\_\_ Item \_\_\_\_\_ Approval ☐

Apparatus \_\_\_\_\_ Reference ☐

Line No. \_\_\_\_\_ Certified \_\_\_\_\_ Date \_\_\_\_\_ Construction ☐

Other ☐