



# 60-Hertz Short-Circuit Interrupting Ratings<sup>1</sup>—Per IEEE C37.41-2000

| OVERHEAD—POLE-TOP STYLES—Three-Phase and Single-Phase Applications |                                      |  |                       |                       |                               |   |   |                               |                        |                        |                        |
|--|--------------------------------------|--|-----------------------|-----------------------|-------------------------------|---|---|-------------------------------|------------------------|------------------------|------------------------|
| Continuous Current Rating, Amperes                                 |                                      | 100  |                       |                       |                               |   |   | 200                           |                        |                        |                        |
| Style  |                                      | Extra-Heavy-Duty <sup>2</sup>  |                       |                       | Ultra-Heavy-Duty <sup>3</sup> |   |   | Ultra-Heavy-Duty <sup>3</sup> |                        |                        |                        |
| Voltage Rating, kV, Nom.   |                                      | 14.4   | 25                    | 25                    | 14.4                          | 25  | 25  | 25                            | 14.4                   | 25                     | 25                     |
| kV, Max  |                                      | 15   | 27                    | 27                    | 15                            | 27  | 27  | 27                            | 15                     | 27                     | 27                     |
| kV, BIL  |                                      | 110  | 125                   | 150                   | 110                           | 125   | 150   | 150                           | 110                    | 125                    | 150                    |
| Leakage Distance to Ground, Minimum, Inches (mm)                   |                                      | 8Z1x (216)   | 11 (279)              | 17 (432)              | 8Z1x (216)                    | 11 (279)  | 17 (432) ○  | 26 (660) ■                    | 8Z1x (216)             | 11 (279)               | 17 (432)               |
| Catalog Number   | Porcelain Insulator                  | 89021R10   | 89022R10              | 89042R10              | 89031R10                      | 89032R10  | 89052R10  | 89053R10▲                     | 89071R11               | 89072R11               | 89092R11               |
|  | Composite-Polymer Silicone Insulator | 89021R10-P   | —                     | 89042R10-P            | 89031R10-P                    | —   | 89052R10-P  | 89053R10-P                    | 89071R11-P             | —                      | 89092R11-P             |
| System Voltage, kV   |                                      | Short-Circuit Interrupting Rating, Amperes RMS, Asymmetrical <sup>4</sup> and Symmetrical <sup>5</sup> (one-shot rating, where applicable, shown in parentheses) |                       |                       |                               |   |   |                               |                        |                        |                        |
| 4.16 thru 14.4   |                                      | <b>10 000</b><br>( <b>12 000</b> )<br>7 100<br>(8 600)   | <b>8 000</b><br>5 300 | <b>8 000</b><br>5 300 | <b>16 000</b><br>10 600       | <b>12 000</b><br>( <b>16 000</b> )<br>8 000<br>(10 600) | <b>12 000</b><br>( <b>16 000</b> )<br>8 000<br>(10 600) |                               | <b>12 000</b><br>8 000 |                        |                        |
| 16.5 thru 24.9   |                                      |  | <b>8 000</b><br>5 300 | <b>8 000</b><br>5 300 |                               | <b>12 000</b><br>( <b>16 000</b> )<br>8 000<br>(10 600) | <b>12 000</b><br>( <b>16 000</b> )<br>8 000<br>(10 600) |                               |                        | <b>10 000</b><br>7 100 | <b>10 000</b><br>7 100 |
| 26.4• thru 34.5•   |                                      |  |                       | <b>8 000</b><br>5 300 |                               |   | <b>12 000</b><br>( <b>16 000</b> )<br>8 000<br>(10 600) |                               |                        |                        |                        |
| 26.4• thru 34.5•   |                                      |  |                       |                       |                               |   |   | <b>12 000</b><br>8 000        |                        |                        |                        |

1 Consult the nearest MPS Sales Office for 50-hertz ratings.

2 Uses nonremovable or removable buttonhead fuse links.

3 Uses removable buttonhead fuse links only.

4 Asymmetrical rating is shown first, in bold-face type. Value in parentheses is associated one-shot rating, based on replacement of cutout tube.

Asymmetrical rating is based on total available short-circuit current of the circuit including the dc component, in accordance with IEEE standards.

5 Symmetrical rating is shown second, in light-face type. Value in parentheses is associated one-shot rating, based on replacement of cutout tube.

Symmetrical rating is based on available symmetrical short-circuit current at locations where X/R ratio is equal to 8 (for Cutout Catalog Numbers 89021R10, 89071R11, 89072R11, and 89092R11) or 12 (for all other overhead—pole-top style cutouts). IEEE C37.41-2000 specifies these X/R ratios, as applicable, depending on cutout voltage rating and interrupting current rating.

Cutout offering is, by definition, less connectors and mounting bracket

○ Approximate fuse-tube length, top of fuse-tube cap to bottom of fuse tube: 14¾ inches (375 mm).

■ Approximate fuse-tube length, top of fuse-tube cap to bottom of fuse tube: 18¼ inches (464 mm).

▲ Meets 170-kV BIL rating requirement of IEC Publication 282-2.

• Applicable for protection of single-phase-to-neutral circuits (lines or transformers) only, and grounded-wye connected capacitor banks in solidly-grounded-neutral (multigrounded-neutral) systems—where the leakage distance to ground meets user's requirements.

◆ Applicable for protection of single-phase-to-neutral circuits (lines or transformers) only, and grounded-wye connected capacitor banks in solidly-grounded-neutral (multigrounded-neutral) systems.

| Connector & Mounting Bracket Suffixes           |             |
|---|-------------|
| Style   | MPS Type XS |
| Parallel Groove Connectors<br>Tin Plated Bronze | -D          |
| Eye Bolt Connectors                             | -M          |
| NEMA Type "B" Bracket                           | -C          |
| Extended Mounting Bracket                       | -B          |

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