

POWR-SPEED® Fuse

PSR SERIES HIGH-SPEED SQUARE BODY

Semiconductor Fuses • DIN 43653 Blade • 40 A–2250 A



Description

Littelfuse PSR series high-speed square body fuses are specially designed for protection of power semiconductor devices such as diodes, triacs, IGBTs, SCRs, MOSFETs, and other solid-state devices that are typically designed into power conversion and power conditioning equipment. Variable frequency drives, inverters, UPS, rectifiers, and soft-starters are examples of typical equipment designed with sensitive power semiconductor devices that cannot withstand any line surge or overcurrent conditions and require high-speed protection.

Littelfuse POWR-SPEED® PSR series products offer optimized circuit protection at the extremely fast speed required to protect modern day power conversion devices. Available in DIN43653 blade style termination with visual blown fuse indication standard on all fuses and optional micro-switch for external indication.

Features/Benefits

- Best in class dc performance
- Extremely current limiting
- Superior cycling capability
- Global certification cURus, CCC*, IEC
- Visual and optional microswitch fuse blown indication
- Low watt-loss design
- Compliance with US and Canadian requirements
- Fast-acting Class aR performance

Applications

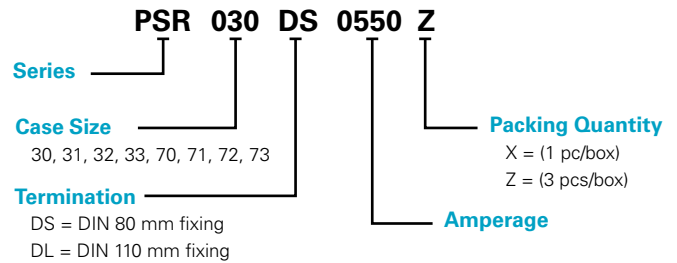
- Power conversion devices (UPS, inverter, rectifiers, drives)
- Dc systems (dc common bus, dc injection braking)
- Battery protection application (energy storage systems)
- Electric vehicle charging stations
- Heaters and power supplies

* Refer to CCC section of Electrical Characteristics table

Specifications

| | |
|------------------------------|---|
| Voltage Rating | Ac: 450 V–1300 V Dc: 450 V–1000 V |
| Amperage Rating | 40 A–2250 A |
| Interrupting Rating | Ac: 100 kA–200 kA Dc: 150 kA |
| Time Constant | 10 ms at IR |
| Microswitch | Yes |
| Mounting | DIN 43653 blade style |
| Material | Body: ceramic Contacts: plated copper |
| Approvals | cURus Recognized (File: E71611) CCC (Ac voltage) * |
| Applicable Standards | UL248-13, IEC 60269-4 (Class aR) |
| Environmental | RoHS Compliant, REACH |
| Operating Temperature | -55 °C to +125 °C |
| Storage Temperature | Up to +35 °C with relative humidity <65 % |
| Country of Origin | Mexico |

Ordering Part Number



Catalog Number

| SERIES | CASE SIZE | TERMINATION | AMPERAGE | CATALOG NUMBER | ORDERING PART NUMBER |
|--------|-----------|-------------|----------|----------------|----------------------|
| PSR | 030 | DS | 0550 | PSR030DS0550 | PSR030DS0550Z |

Recommended Accessories

Microswitch: MS3H1000C (Case Size 30 to 33)
MS7H1500C (Case Size 70 to 73)

Web Resources

Download technical documents: [Littelfuse.com/PSR](https://www.littelfuse.com/PSR)
Note: high-speed fuses are designed for fixed installations. They are not intended for use in moving vehicle applications.

POWR-SPEED® Fuse

PSR SERIES HIGH-SPEED SQUARE BODY

Electrical Characteristics

| CASE SIZE | CATALOG NUMBER | | AMPERE RATING (A) | VOLTAGE RATING (V) | | | INTERRUPTING RATING | | MELTING (PRE-ARC) I ² T (A ² S) | TOTAL CLEARING I ² T (A ² S) AT RATED VOLTAGE | | WATT LOSS AT 100 % RATED CURRENT (W) | AGENCY CERTIFICATION | |
|--------------|-----------------------|------------------------|-------------------|--------------------|------|--------|---------------------|---------|---|---|---------|--------------------------------------|----------------------|-----|
| | DIN 80 MM FIXING (DS) | DIN 110 MM FIXING (DL) | | AC | | DC | AC | DC | | AC | DC | | cURus | CCC |
| | | | | IEC | UL | | | | | | | | | |
| 30 | PSR030DS0040 | PSR030DL0040 | 40 | 690 | 700 | 600 | 200 kA | 150 kA | 76 | 280 | 260 | 13 | • | • |
| | PSR030DS0050 | PSR030DL0050 | 50 | 690 | 700 | 600 | 200 kA | 150 kA | 110 | 598 | 384 | 16 | • | • |
| | PSR030DS0063 | PSR030DL0063 | 63 | 690 | 700 | 600 | 200 kA | 150 kA | 176 | 1023 | 640 | 20 | • | • |
| | PSR030DS0080 | PSR030DL0080 | 80 | 690 | 700 | 600 | 200 kA | 150 kA | 304 | 1728 | 1252 | 24 | • | • |
| | PSR030DS0100 | PSR030DL0100 | 100 | 690 | 700 | 600 | 200 kA | 150 kA | 437 | 2835 | 1575 | 28 | • | • |
| | PSR030DS0125 | PSR030DL0125 | 125 | 690 | 700 | 600 | 200 kA | 150 kA | 707 | 4684 | 2783 | 37 | • | • |
| | PSR030DS0160 | PSR030DL0160 | 160 | 690 | 700 | 600 | 200 kA | 150 kA | 1359 | 9114 | 5507 | 40 | • | • |
| | PSR030DS0200 | PSR030DL0200 | 200 | 690 | 700 | 600 | 200 kA | 150 kA | 3012 | 15169 | 14700 | 40 | • | • |
| | PSR030DS0250 | PSR030DL0250 | 250 | 690 | 700 | 600 | 200 kA | 150 kA | 4668 | 29952 | 20833 | 52 | • | • |
| | PSR030DS0315 | PSR030DL0315 | 315 | 690 | 700 | 600 | 200 kA | 150 kA | 7131 | 61830 | 31600 | 64 | • | • |
| | PSR030DS0350 | PSR030DL0350 | 350 | 690 | 700 | 600 | 200 kA | 150 kA | 12007 | 85320 | 49273 | 66 | • | • |
| | PSR030DS0400 | PSR030DL0400 | 400 | 690 | 700 | 600 | 200 kA | 150 kA | 16209 | 114750 | 63367 | 78 | • | • |
| | PSR030DS0450 | PSR030DL0450 | 450 | 690 | 700 | 600 | 200 kA | 150 kA | 23133 | 160110 | 93533 | 80 | • | • |
| | PSR030DS0500 | PSR030DL0500 | 500 | 690 | 700 | 600 | 200 kA | 150 kA | 31429 | 225180 | 137333 | 84 | • | • |
| PSR030DS0550 | PSR030DL0550 | 550 | 690 | 700 | 600 | 200 kA | 150 kA | 44323 | 268920 | 145400 | 85 | • | • | |
| PSR030DS0630 | PSR030DL0630 | 630 | 690 | 700 | 550 | 200 kA | 150 kA | 57404 | 480010 | 267800 | 91 | • | • | |
| 31 | PSR031DS0200 | PSR031DL0200 | 200 | 690 | 700 | 600 | 200 kA | 150 kA | 1965 | 17334 | 16188 | 49 | • | • |
| | PSR031DS0250 | PSR031DL0250 | 250 | 690 | 700 | 600 | 200 kA | 150 kA | 3789 | 35343 | 21080 | 52 | • | • |
| | PSR031DS0315 | PSR031DL0315 | 315 | 690 | 700 | 600 | 200 kA | 150 kA | 6862 | 59130 | 30694 | 63 | • | • |
| | PSR031DS0350 | PSR031DL0350 | 350 | 690 | 700 | 600 | 200 kA | 150 kA | 9523 | 76140 | 40996 | 67 | • | • |
| | PSR031DS0400 | PSR031DL0400 | 400 | 690 | 700 | 600 | 200 kA | 150 kA | 14770 | 124335 | 64359 | 70 | • | • |
| | PSR031DS0450 | PSR031DL0450 | 450 | 690 | 700 | 600 | 200 kA | 150 kA | 22457 | 178200 | 97444 | 70 | • | • |
| | PSR031DS0500 | PSR031DL0500 | 500 | 690 | 700 | 600 | 200 kA | 150 kA | 29751 | 251505 | 125935 | 74 | • | • |
| | PSR031DS0550 | PSR031DL0550 | 550 | 690 | 700 | 600 | 200 kA | 150 kA | 42056 | 289170 | 171845 | 86 | • | • |
| | PSR031DS0630 | PSR031DL0630 | 630 | 690 | 700 | 600 | 200 kA | 150 kA | 73513 | 507465 | 276315 | 87 | • | • |
| | PSR031DS0700 | PSR031DL0700 | 700 | 690 | 700 | 600 | 200 kA | 150 kA | 98187 | 601425 | 337260 | 93 | • | • |
| PSR031DS0800 | PSR031DL0800 | 800 | 690 | 700 | 600 | 200 kA | 150 kA | 137208 | 848880 | 502815 | 107 | • | • | |
| PSR031DS0900 | PSR031DL0900 | 900 | 550 | 600 | 550 | 200 kA | 150 kA | 155163 | 945100 | 631820 | 126 | • | • | |
| 32 | PSR032DS0400 | PSR032DL0400 | 400 | 690 | 700 | 600 | 200 kA | 150 kA | 11104 | 79650 | 44533 | 87 | • | • |
| | PSR032DS0450 | PSR032DL0450 | 450 | 690 | 700 | 600 | 200 kA | 150 kA | 15535 | 116100 | 65463 | 88 | • | • |
| | PSR032DS0500 | PSR032DL0500 | 500 | 690 | 700 | 600 | 200 kA | 150 kA | 21573 | 161460 | 88277 | 94 | • | • |
| | PSR032DS0550 | PSR032DL0550 | 550 | 690 | 700 | 600 | 200 kA | 150 kA | 26327 | 177660 | 107960 | 106 | • | • |
| | PSR032DS0630 | PSR032DL0630 | 630 | 690 | 700 | 600 | 200 kA | 150 kA | 34790 | 234900 | 156963 | 114 | • | • |
| | PSR032DS0700 | PSR032DL0700 | 700 | 690 | 700 | 600 | 200 kA | 150 kA | 51191 | 291870 | 209287 | 127 | • | • |
| | PSR032DS0800 | PSR032DL0800 | 800 | 690 | 700 | 600 | 200 kA | 150 kA | 60125 | 472770 | 249000 | 152 | • | • |
| | PSR032DS0900 | PSR032DL0900 | 900 | 690 | 700 | 600 | 200 kA | 150 kA | 107785 | 764100 | 404000 | 145 | • | • |
| | PSR032DS1000 | PSR032DL1000 | 1000 | 690 | 700 | 600 | 200 kA | 150 kA | 190102 | 933120 | 672333 | 149 | • | • |
| | PSR032DS1100 | PSR032DL1100 | 1100 | 690 | 700 | 600 | 200 kA | 150 kA | 225379 | 1247400 | 744000 | 161 | • | • |
| | PSR032DS1250 | PSR032DL1250 | 1250 | 550 | 500* | 450* | 200 kA | 150 kA | 336661 | 1114994 | 1197000 | 166 | • | • |
| | PSR032DS1400 | PSR032DL1400 | 1400 | 450 | 500 | 450 | 200 kA | 150 kA | 551749 | 1611639 | 1865400 | 184 | • | • |
| PSR032DS1500 | PSR032DL1500 | 1500 | 450 | 500 | 450 | 200 kA | 150 kA | 673360 | 2045907 | 1735500 | 192 | • | • | |
| 33 | PSR033DS0450 | PSR033DL0450 | 450 | 690 | 700 | 600 | 200 kA | 150 kA | 13600 | 106380 | 58947 | 107 | • | • |
| | PSR033DS0500 | PSR033DL0500 | 500 | 690 | 700 | 600 | 200 kA | 150 kA | 16434 | 140400 | 77846 | 107 | • | • |
| | PSR033DS0550 | PSR033DL0550 | 550 | 690 | 700 | 600 | 200 kA | 150 kA | 23314 | 187650 | 100461 | 111 | • | • |
| | PSR033DS0630 | PSR033DL0630 | 630 | 690 | 700 | 600 | 200 kA | 150 kA | 38727 | 285930 | 142437 | 120 | • | • |
| | PSR033DS0700 | PSR033DL0700 | 700 | 690 | 700 | 600 | 200 kA | 150 kA | 56763 | 392580 | 209863 | 116 | • | • |
| | PSR033DS0800 | PSR033DL0800 | 800 | 690 | 700 | 600 | 200 kA | 150 kA | 84691 | 575505 | 348500 | 122 | • | • |
| | PSR033DS0900 | PSR033DL0900 | 900 | 690 | 700 | 600 | 200 kA | 150 kA | 122619 | 740340 | 451177 | 138 | • | • |
| | PSR033DS1000 | PSR033DL1000 | 1000 | 690 | 700 | 600 | 200 kA | 150 kA | 222350 | 1170450 | 787750 | 138 | • | • |
| | PSR033DS1100 | PSR033DL1100 | 1100 | 690 | 700 | 600 | 200 kA | 150 kA | 310824 | 1568700 | 821400 | 138 | • | • |
| | PSR033DS1250 | PSR033DL1250 | 1250 | 690 | 700 | 500 | 200 kA | 150 kA | 476902 | 2403000 | 1674333 | 145 | • | • |
| | PSR033DS1400 | PSR033DL1400 | 1400 | 690 | 700 | 500 | 200 kA | 150 kA | 583552 | 2920050 | 1979750 | 173 | • | • |
| | PSR033DS1500 | PSR033DL1500 | 1500 | 600 | 650 | 500 | 200 kA | 150 kA | 674538 | 2433200 | 1996733 | 182 | • | • |
| | PSR033DS1600 | PSR033DL1600 | 1600 | 600 | 650 | 500 | 200 kA | 150 kA | 779948 | 2942800 | 2301633 | 208 | • | • |
| | PSR033DS1800 | PSR033DL1800 | 1800 | 600 | 650 | 500 | 200 kA | 150 kA | 952196 | 3785040 | 2724180 | 260 | • | • |
| PSR033DS2000 | PSR033DL2000 | 2000 | 550 | 600 | 480 | 200 kA | 150 kA | 1234315 | 4131600 | 3755180 | 264 | • | • | |
| PSR033DS2250 | PSR033DL2250 | 2250 | 500 | 550 | 450 | 200 kA | 150 kA | 1236000 | 4459651 | 3859500 | 349 | • | • | |

* PSR032 1250 A: 600 V Ac/550 V Dc

POWR-SPEED® Fuse

PSR SERIES HIGH-SPEED SQUARE BODY

Electrical Characteristics (cont.)

| CASE SIZE | CATALOG NUMBER | AMPERE RATING (A) | VOLTAGE RATING (V) | | | INTERRUPTING RATING | | MELTING (PRE-ARC) I ² T (A ² S) | TOTAL CLEARING I ² T (A ² S) AT RATED VOLTAGE | | WATT LOSS AT 100 % RATED CURRENT (W) | AGENCY CERTIFICATION | |
|--------------|------------------------|-------------------|--------------------|-------|--------|---------------------|---------|---|---|---------|--------------------------------------|----------------------|-----|
| | | | AC | | DC | AC | DC | | AC | DC | | cURus | CCC |
| | DIN 110 MM FIXING (DL) | | IEC | UL | | | | | | | | | |
| 70 | PSR070DL0050 | 50 | 1250 | 1300 | 1000 | 100 kA | 150 kA | 177 | 2050 | 400 | 21 | • | • |
| | PSR070DL0063 | 63 | 1250 | 1300 | 1000 | 100 kA | 150 kA | 273 | 3399 | 900 | 24 | • | • |
| | PSR070DL0080 | 80 | 1250 | 1300 | 1000 | 100 kA | 150 kA | 583 | 6732 | 2200 | 25 | • | • |
| | PSR070DL0100 | 100 | 1250 | 1300 | 1000 | 100 kA | 150 kA | 974 | 10996 | 3750 | 30 | • | • |
| | PSR070DL0125 | 125 | 1250 | 1300 | 1000 | 100 kA | 150 kA | 1352 | 13011 | 5150 | 44 | • | • |
| | PSR070DL0160 | 160 | 1250 | 1300 | 1000 | 100 kA | 150 kA | 2377 | 25662 | 8950 | 53 | • | • |
| | PSR070DL0200 | 200 | 1250 | 1300 | 1000 | 100 kA | 150 kA | 4177 | 39087 | 17267 | 62 | • | • |
| | PSR070DL0250 | 250 | 1250 | 1300 | 1000 | 100 kA | 150 kA | 8629 | 89790 | 36750 | 73 | • | • |
| | PSR070DL0280 | 280 | 1250 | 1300 | 1000 | 100 kA | 150 kA | 11844 | 113201 | 46750 | 77 | • | • |
| PSR070DL0315 | 315 | 1250 | 1300 | 1000 | 100 kA | 150 kA | 18162 | 142051 | 66833 | 80 | • | • | |
| PSR070DL0350 | 350 | 1250 | 1200* | 900* | 100 kA | 150 kA | 22963 | 215230 | 95410 | 76 | • | • | |
| PSR070DL0400 | 400 | 1100 | 1200 | 900 | 100 kA | 150 kA | 37103 | 283480 | 154320 | 78 | • | • | |
| 71 | PSR071DL0160 | 160 | 1250 | 1300 | 1000 | 100 kA | 150 kA | 2756 | 24600 | 8800 | 45 | • | • |
| | PSR071DL0200 | 200 | 1250 | 1300 | 1000 | 100 kA | 150 kA | 4918 | 50307 | 19050 | 52 | • | • |
| | PSR071DL0250 | 250 | 1250 | 1300 | 1000 | 100 kA | 150 kA | 10592 | 104427 | 43100 | 55 | • | • |
| | PSR071DL0280 | 280 | 1250 | 1300 | 1000 | 100 kA | 150 kA | 13763 | 131897 | 54150 | 58 | • | • |
| | PSR071DL0315 | 315 | 1250 | 1300 | 1000 | 100 kA | 150 kA | 20882 | 200244 | 67450 | 59 | • | • |
| | PSR071DL0350 | 350 | 1250 | 1300 | 1000 | 100 kA | 150 kA | 23301 | 225500 | 102500 | 70 | • | • |
| | PSR071DL0400 | 400 | 1250 | 1300 | 1000 | 100 kA | 150 kA | 43211 | 374986 | 185000 | 76 | • | • |
| | PSR071DL0450 | 450 | 1250 | 1300 | 1000 | 100 kA | 150 kA | 55915 | 452394 | 241333 | 88 | • | • |
| PSR071DL0500 | 500 | 1100 | 1200 | 900 | 100 kA | 150 kA | 75315 | 468845 | 253960 | 93 | • | • | |
| PSR071DL0550 | 550 | 1100 | 1200 | 900 | 100 kA | 150 kA | 87328 | 693507 | 332600 | 90 | • | • | |
| PSR071DL0630 | 630 | 1000 | 1100 | 900 | 100 kA | 150 kA | 131240 | 790862 | 426550 | 103 | • | • | |
| 72 | PSR072DL0250 | 250 | 1250 | 1300 | 1000 | 100 kA | 150 kA | 7737 | 72789 | 28567 | 64 | • | • |
| | PSR072DL0280 | 280 | 1250 | 1300 | 1000 | 100 kA | 150 kA | 10915 | 124538 | 46897 | 62 | • | • |
| | PSR072DL0315 | 315 | 1250 | 1300 | 1000 | 100 kA | 150 kA | 16187 | 145140 | 58867 | 69 | • | • |
| | PSR072DL0350 | 350 | 1250 | 1300 | 1000 | 100 kA | 150 kA | 18727 | 160447 | 69633 | 81 | • | • |
| | PSR072DL0400 | 400 | 1250 | 1300 | 1000 | 100 kA | 150 kA | 27112 | 243540 | 108000 | 93 | • | • |
| | PSR072DL0450 | 450 | 1250 | 1300 | 1000 | 100 kA | 150 kA | 35927 | 406413 | 159133 | 107 | • | • |
| | PSR072DL0500 | 500 | 1250 | 1300 | 1000 | 100 kA | 150 kA | 50398 | 425375 | 216333 | 115 | • | • |
| | PSR072DL0550 | 550 | 1250 | 1300 | 1000 | 100 kA | 150 kA | 73858 | 539833 | 271333 | 115 | • | • |
| | PSR072DL0630 | 630 | 1250 | 1300 | 1000 | 100 kA | 150 kA | 126126 | 942180 | 436000 | 119 | • | • |
| | PSR072DL0700 | 700 | 1100 | 1200 | 900** | 100 kA | 150 kA | 228761 | 1123694 | 715180 | 89 | • | • |
| | PSR072DL0800 | 800 | 1100 | 1200 | 900** | 100 kA | 150 kA | 230695 | 1432388 | 911650 | 129 | • | • |
| PSR072DL0900 | 900 | 1000 | 900* | 900** | 100 kA | 150 kA | 376641 | 1309993 | 1030400 | 131 | • | • | |
| PSR072DL1000 | 1000 | 850 | 900 | 800** | 100 kA | 150 kA | 455955 | 1772548 | 1361500 | 156 | • | • | |
| 73 | PSR073DL0315 | 315 | 1250 | 1300 | 1000 | 100 kA | 150 kA | 10245 | 106600 | 38650 | 100 | • | • |
| | PSR073DL0350 | 350 | 1250 | 1300 | 1000 | 100 kA | 150 kA | 13586 | 159627 | 57467 | 100 | • | • |
| | PSR073DL0400 | 400 | 1250 | 1300 | 1000 | 100 kA | 150 kA | 19797 | 211273 | 86800 | 124 | • | • |
| | PSR073DL0450 | 450 | 1250 | 1300 | 1000 | 100 kA | 150 kA | 29834 | 279073 | 114333 | 122 | • | • |
| | PSR073DL0500 | 500 | 1250 | 1300 | 1000 | 100 kA | 150 kA | 42751 | 416437 | 184500 | 121 | • | • |
| | PSR073DL0550 | 550 | 1250 | 1300 | 1000 | 100 kA | 150 kA | 55513 | 491713 | 224500 | 130 | • | • |
| | PSR073DL0630 | 630 | 1250 | 1300 | 1000 | 100 kA | 150 kA | 94649 | 804338 | 377500 | 136 | • | • |
| | PSR073DL0700 | 700 | 1250 | 1300 | 1000 | 100 kA | 150 kA | 158097 | 1170960 | 575667 | 135 | • | • |
| | PSR073DL0800 | 800 | 1250 | 1300 | 1000** | 100 kA | 150 kA | 234943 | 1769880 | 733460 | 128 | • | • |
| | PSR073DL0900 | 900 | 950 | 1050 | 800** | 100 kA | 150 kA | 317743 | 2280547 | 901779 | 156 | • | • |
| | PSR073DL1000 | 1000 | 950 | 1050 | 800** | 100 kA | 150 kA | 476221 | 3910801 | 1546418 | 143 | • | • |
| | PSR073DL1100 | 1100 | 950 | 1050 | 800** | 100 kA | 150 kA | 570870 | 2736600 | 1699000 | 165 | • | • |
| | PSR073DL1250 | 1250 | 900 | 1000 | - | 100 kA | - | 993924 | 3091160 | - | 197 | • | • |
| PSR073DL1400 | 1400 | 900 | 1000 | - | 100 kA | - | 1168091 | 3627820 | - | 249 | • | • | |

* PSR070 350 A: 1300 V Ac/1000 V Dc

PSR072 900 A: 1100 V Ac

** No UL certification for Dc voltage

POWR-SPEED® Fuse

PSR SERIES HIGH-SPEED SQUARE BODY

Ordering Information

| CASE SIZE | DIN 80 MM FIXING (DS) | | | DIN 110 MM FIXING (DL) | | | BOX QUANTITY |
|--------------|-----------------------|----------------------|--------------|------------------------|----------------------|-------------|--------------|
| | CATALOG NUMBER | ORDERING PART NUMBER | UPC | CATALOG NUMBER | ORDERING PART NUMBER | UPC | |
| 30 | PSR030DS0040 | PSR030DS0040Z | 07945824985 | PSR030DL0040 | PSR030DL0040Z | 07945825049 | 3 pcs/box |
| | PSR030DS0050 | PSR030DS0050Z | 07945824986 | PSR030DL0050 | PSR030DL0050Z | 07945825050 | 3 pcs/box |
| | PSR030DS0063 | PSR030DS0063Z | 07945824987 | PSR030DL0063 | PSR030DL0063Z | 07945825051 | 3 pcs/box |
| | PSR030DS0080 | PSR030DS0080Z | 07945824988 | PSR030DL0080 | PSR030DL0080Z | 07945825052 | 3 pcs/box |
| | PSR030DS0100 | PSR030DS0100Z | 07945824989 | PSR030DL0100 | PSR030DL0100Z | 07945825054 | 3 pcs/box |
| | PSR030DS0125 | PSR030DS0125Z | 07945824990 | PSR030DL0125 | PSR030DL0125Z | 07945825056 | 3 pcs/box |
| | PSR030DS0160 | PSR030DS0160Z | 07945824991 | PSR030DL0160 | PSR030DL0160Z | 07945825057 | 3 pcs/box |
| | PSR030DS0200 | PSR030DS0200Z | 07945824992 | PSR030DL0200 | PSR030DL0200Z | 07945825059 | 3 pcs/box |
| | PSR030DS0250 | PSR030DS0250Z | 07945824993 | PSR030DL0250 | PSR030DL0250Z | 07945825060 | 3 pcs/box |
| | PSR030DS0315 | PSR030DS0315Z | 07945824994 | PSR030DL0315 | PSR030DL0315Z | 07945825062 | 3 pcs/box |
| | PSR030DS0350 | PSR030DS0350Z | 07945824995 | PSR030DL0350 | PSR030DL0350Z | 07945825066 | 3 pcs/box |
| | PSR030DS0400 | PSR030DS0400Z | 07945824996 | PSR030DL0400 | PSR030DL0400Z | 07945825069 | 3 pcs/box |
| | PSR030DS0450 | PSR030DS0450Z | 07945824997 | PSR030DL0450 | PSR030DL0450Z | 07945825070 | 3 pcs/box |
| | PSR030DS0500 | PSR030DS0500Z | 07945824998 | PSR030DL0500 | PSR030DL0500Z | 07945825074 | 3 pcs/box |
| PSR030DS0550 | PSR030DS0550Z | 07945824999 | PSR030DL0550 | PSR030DL0550Z | 07945825075 | 3 pcs/box | |
| PSR030DS0630 | PSR030DS0630Z | 07945827822 | PSR030DL0630 | PSR030DL0630Z | 07945827801 | 3 pcs/box | |
| 31 | PSR031DS0200 | PSR031DS0200Z | 07945825000 | PSR031DL0200 | PSR031DL0200Z | 07945825076 | 3 pcs/box |
| | PSR031DS0250 | PSR031DS0250Z | 07945825001 | PSR031DL0250 | PSR031DL0250Z | 07945825077 | 3 pcs/box |
| | PSR031DS0315 | PSR031DS0315Z | 07945825002 | PSR031DL0315 | PSR031DL0315Z | 07945825078 | 3 pcs/box |
| | PSR031DS0350 | PSR031DS0350Z | 07945825003 | PSR031DL0350 | PSR031DL0350Z | 07945825079 | 3 pcs/box |
| | PSR031DS0400 | PSR031DS0400Z | 07945825004 | PSR031DL0400 | PSR031DL0400Z | 07945825080 | 3 pcs/box |
| | PSR031DS0450 | PSR031DS0450Z | 07945825005 | PSR031DL0450 | PSR031DL0450Z | 07945825081 | 3 pcs/box |
| | PSR031DS0500 | PSR031DS0500Z | 07945825006 | PSR031DL0500 | PSR031DL0500Z | 07945825082 | 3 pcs/box |
| | PSR031DS0550 | PSR031DS0550Z | 07945825007 | PSR031DL0550 | PSR031DL0550Z | 07945825083 | 3 pcs/box |
| | PSR031DS0630 | PSR031DS0630Z | 07945825008 | PSR031DL0630 | PSR031DL0630Z | 07945825084 | 3 pcs/box |
| | PSR031DS0700 | PSR031DS0700Z | 07945825009 | PSR031DL0700 | PSR031DL0700Z | 07945825085 | 3 pcs/box |
| PSR031DS0800 | PSR031DS0800Z | 07945825010 | PSR031DL0800 | PSR031DL0800Z | 07945825086 | 3 pcs/box | |
| PSR031DS0900 | PSR031DS0900Z | 07945827823 | PSR031DL0900 | PSR031DL0900Z | 07945827802 | 3 pcs/box | |
| 32 | PSR032DS0400 | PSR032DS0400X | 07945825013 | PSR032DL0400 | PSR032DL0400X | 07945825087 | 1 pc/box |
| | PSR032DS0450 | PSR032DS0450X | 07945825014 | PSR032DL0450 | PSR032DL0450X | 07945825088 | 1 pc/box |
| | PSR032DS0500 | PSR032DS0500X | 07945825015 | PSR032DL0500 | PSR032DL0500X | 07945825089 | 1 pc/box |
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| | PSR033DS1600 | PSR033DS1600X | 07945825044 | PSR033DL1600 | PSR033DL1600X | 07945825157 | 1 pc/box |
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| | PSR033DS2000 | PSR033DS2000X | 07945825046 | PSR033DL2000 | PSR033DL2000X | 07945825159 | 1 pc/box |
| PSR033DS2250 | PSR033DS2250X | 07945827827 | PSR033DL2250 | PSR033DL2250X | 07945827806 | 1 pc/box | |

POWR-SPEED® Fuse

PSR SERIES HIGH-SPEED SQUARE BODY

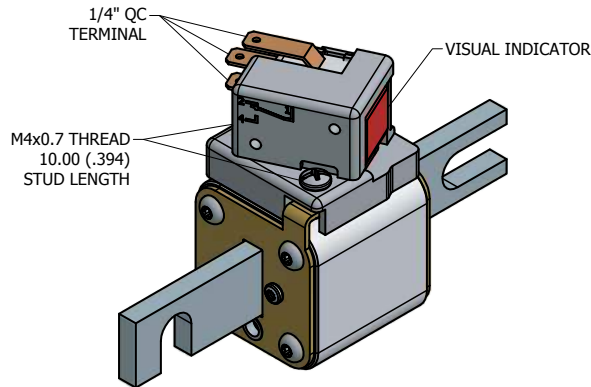
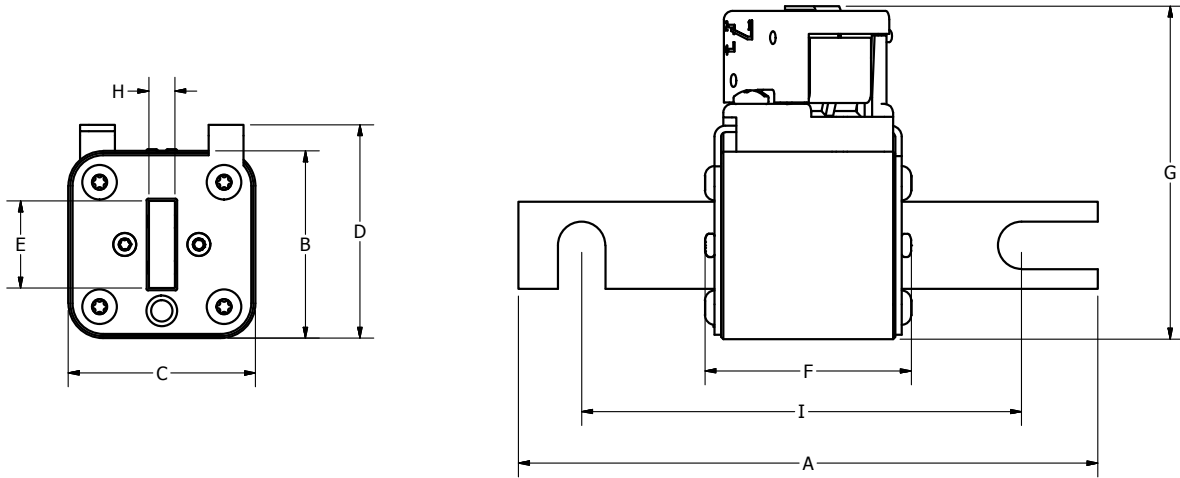
Ordering Information (cont.)

| CASE SIZE | DIN 110 MM FIXING (DL) | | | BOX QUANTITY |
|--------------|------------------------|----------------------|-------------|--------------|
| | CATALOG NUMBER | ORDERING PART NUMBER | UPC | |
| 70 | PSR070DL0050 | PSR070DL0050Z | 07945825160 | 3 pcs/box |
| | PSR070DL0063 | PSR070DL0063Z | 07945825161 | 3 pcs/box |
| | PSR070DL0080 | PSR070DL0080Z | 07945825162 | 3 pcs/box |
| | PSR070DL0100 | PSR070DL0100Z | 07945825163 | 3 pcs/box |
| | PSR070DL0125 | PSR070DL0125Z | 07945825164 | 3 pcs/box |
| | PSR070DL0160 | PSR070DL0160Z | 07945825165 | 3 pcs/box |
| | PSR070DL0200 | PSR070DL0200Z | 07945825166 | 3 pcs/box |
| | PSR070DL0250 | PSR070DL0250Z | 07945825167 | 3 pcs/box |
| | PSR070DL0280 | PSR070DL0280Z | 07945825168 | 3 pcs/box |
| | PSR070DL0315 | PSR070DL0315Z | 07945825169 | 3 pcs/box |
| | PSR070DL0350 | PSR070DL0350Z | 07945827807 | 3 pcs/box |
| PSR070DL0400 | PSR070DL0400Z | 07945827808 | 3 pcs/box | |
| 71 | PSR071DL0160 | PSR071DL0160Z | 07945825170 | 3 pcs/box |
| | PSR071DL0200 | PSR071DL0200Z | 07945825171 | 3 pcs/box |
| | PSR071DL0250 | PSR071DL0250Z | 07945825172 | 3 pcs/box |
| | PSR071DL0280 | PSR071DL0280Z | 07945825173 | 3 pcs/box |
| | PSR071DL0315 | PSR071DL0315Z | 07945825174 | 3 pcs/box |
| | PSR071DL0350 | PSR071DL0350Z | 07945825175 | 3 pcs/box |
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| | PSR071DL0450 | PSR071DL0450Z | 07945825177 | 3 pcs/box |
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| | PSR071DL0550 | PSR071DL0550Z | 07945827810 | 3 pcs/box |
| PSR071DL0630 | PSR071DL0630Z | 07945827811 | 3 pcs/box | |
| 72 | PSR072DL0250 | PSR072DL0250X | 07945825178 | 1 pc/box |
| | PSR072DL0280 | PSR072DL0280X | 07945825179 | 1 pc/box |
| | PSR072DL0315 | PSR072DL0315X | 07945825180 | 1 pc/box |
| | PSR072DL0350 | PSR072DL0350X | 07945825181 | 1 pc/box |
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| PSR072DL1000 | PSR072DL1000X | 07945827815 | 1 pc/box | |
| 73 | PSR073DL0315 | PSR073DL0315X | 07945825187 | 1 pc/box |
| | PSR073DL0350 | PSR073DL0350X | 07945825188 | 1 pc/box |
| | PSR073DL0400 | PSR073DL0400X | 07945825189 | 1 pc/box |
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| | PSR073DL0630 | PSR073DL0630X | 07945825193 | 1 pc/box |
| | PSR073DL0700 | PSR073DL0700X | 07945825194 | 1 pc/box |
| | PSR073DL0800 | PSR073DL0800X | 07945827816 | 1 pc/box |
| | PSR073DL0900 | PSR073DL0900X | 07945827817 | 1 pc/box |
| | PSR073DL1000 | PSR073DL1000X | 07945827818 | 1 pcsbox |
| | PSR073DL1100 | PSR073DL1100X | 07945827819 | 1 pc/box |
| | PSR073DL1250 | PSR073DL1250X | 07945827820 | 1 pc/box |
| | PSR073DL1400 | PSR073DL1400X | 07945827821 | 1 pc/box |

POWR-SPEED® Fuse

PSR SERIES HIGH-SPEED SQUARE BODY

Dimensions (DS and DL)

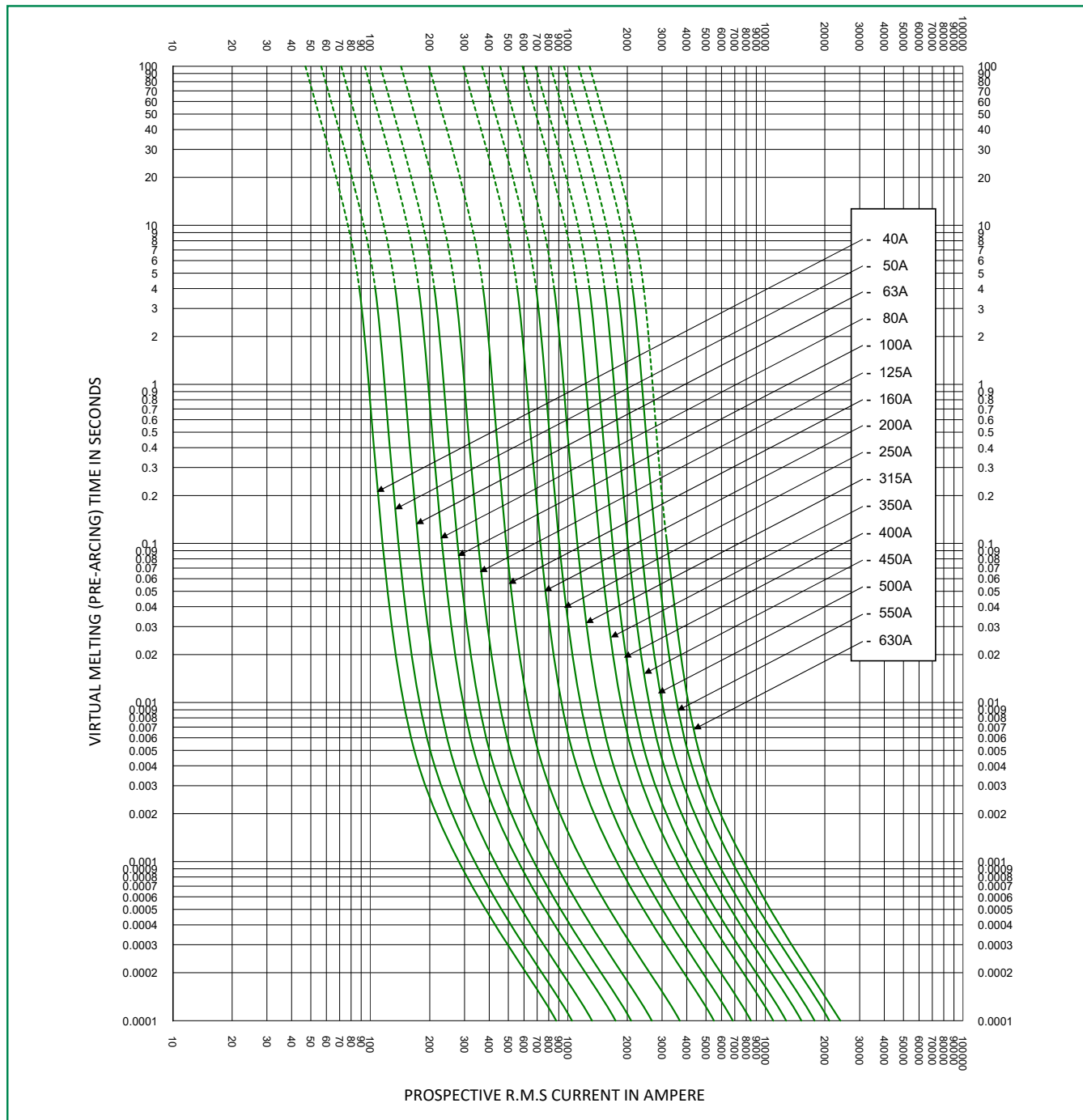


| DIMENSIONS MM (IN) | | | | | | | | | | | | |
|--------------------|----------------|--------------|-------------|-------------|-------------|-------------|-------------|--------------|------------|--------------|----------------------|------------------------------------|
| CASE SIZE | MOUNTING STYLE | A | B | C | D | E | F | G | H | I | RECOMMENDED FASTENER | TIGHTENING TORQUE (REFERENCE ONLY) |
| 30 | DIN 80 [DS] | 109.0 (4.29) | 43.0 (1.69) | 43.0 (1.69) | 49.0 (1.93) | 20.0 (0.79) | 47.7 (1.88) | 77.9 (3.07) | 6.0 (0.24) | 77.8 (3.06) | 10 mm (3/8) | 26 Nm |
| | DIN 110 [DL] | 132.5 (5.22) | 43.0 (1.69) | 43.0 (1.69) | 49.0 (1.93) | 20.0 (0.79) | 47.7 (1.88) | 77.9 (3.07) | 6.0 (0.24) | 101.8 (4.01) | 10 mm (3/8) | 26 Nm |
| 31 | DIN 80 [DS] | 109.2 (4.30) | 51.5 (2.03) | 51.5 (2.03) | 57.5 (2.26) | 25.0 (0.98) | 49.2 (1.94) | 86.4 (3.40) | 6.0 (0.24) | 77.8 (3.06) | 10 mm (3/8) | 26 Nm |
| | DIN 110 [DL] | 133.2 (5.24) | 51.5 (2.03) | 51.5 (2.03) | 57.5 (2.26) | 25.0 (0.98) | 49.2 (1.94) | 86.4 (3.40) | 6.0 (0.24) | 101.8 (4.01) | 10 mm (3/8) | 26 Nm |
| 32 | DIN 80 [DS] | 109.2 (4.30) | 60.0 (2.36) | 60.0 (2.36) | 66.0 (2.60) | 25.0 (0.98) | 49.2 (1.94) | 94.9 (3.74) | 6.0 (0.24) | 77.8 (3.06) | 10 mm (3/8) | 26 Nm |
| | DIN 110 [DL] | 133.2 (5.24) | 60.0 (2.36) | 60.0 (2.36) | 66.0 (2.60) | 25.0 (0.98) | 49.2 (1.94) | 94.9 (3.74) | 6.0 (0.24) | 101.8 (4.01) | 10 mm (3/8) | 26 Nm |
| 33 | DIN 80 [DS] | 109.2 (4.30) | 73.5 (2.89) | 73.5 (2.89) | 79.5 (3.13) | 36.0 (1.42) | 50.2 (1.98) | 108.4 (4.27) | 6.0 (0.24) | 77.8 (3.06) | 10 mm (3/8) | 26 Nm |
| | DIN 110 [DL] | 133.2 (5.24) | 73.5 (2.89) | 73.5 (2.89) | 79.5 (3.13) | 36.0 (1.42) | 50.2 (1.98) | 108.4 (4.27) | 6.0 (0.24) | 101.8 (4.01) | 10 mm (3/8) | 26 Nm |
| 70 | DIN 110 [DL] | 133.0 (5.24) | 43.0 (1.69) | 43.0 (1.69) | 49.0 (1.93) | 20.0 (0.79) | 71.7 (2.82) | 77.9 (3.07) | 6.0 (0.24) | 101.8 (4.01) | 10 mm (3/8) | 26 Nm |
| 71 | DIN 110 [DL] | 133.2 (5.24) | 51.5 (2.03) | 51.5 (2.03) | 57.5 (2.26) | 25.0 (0.98) | 73.2 (2.88) | 86.4 (3.40) | 6.0 (0.24) | 101.8 (4.01) | 10 mm (3/8) | 26 Nm |
| 72 | DIN 110 [DL] | 133.2 (5.24) | 60.0 (2.36) | 60.0 (2.36) | 66.0 (2.60) | 25.0 (0.98) | 73.2 (2.88) | 94.9 (3.74) | 6.0 (0.24) | 101.8 (4.01) | 10 mm (3/8) | 26 Nm |
| 73 | DIN 110 [DL] | 133.2 (5.24) | 73.5 (2.89) | 73.5 (2.89) | 79.5 (3.13) | 36.0 (1.42) | 74.2 (2.92) | 108.4 (4.27) | 6.0 (0.24) | 101.8 (4.01) | 10 mm (3/8) | 26 Nm |

POWR-SPEED® Fuse

PSR SERIES HIGH-SPEED SQUARE BODY

Time Current Curve (30 Case Size)

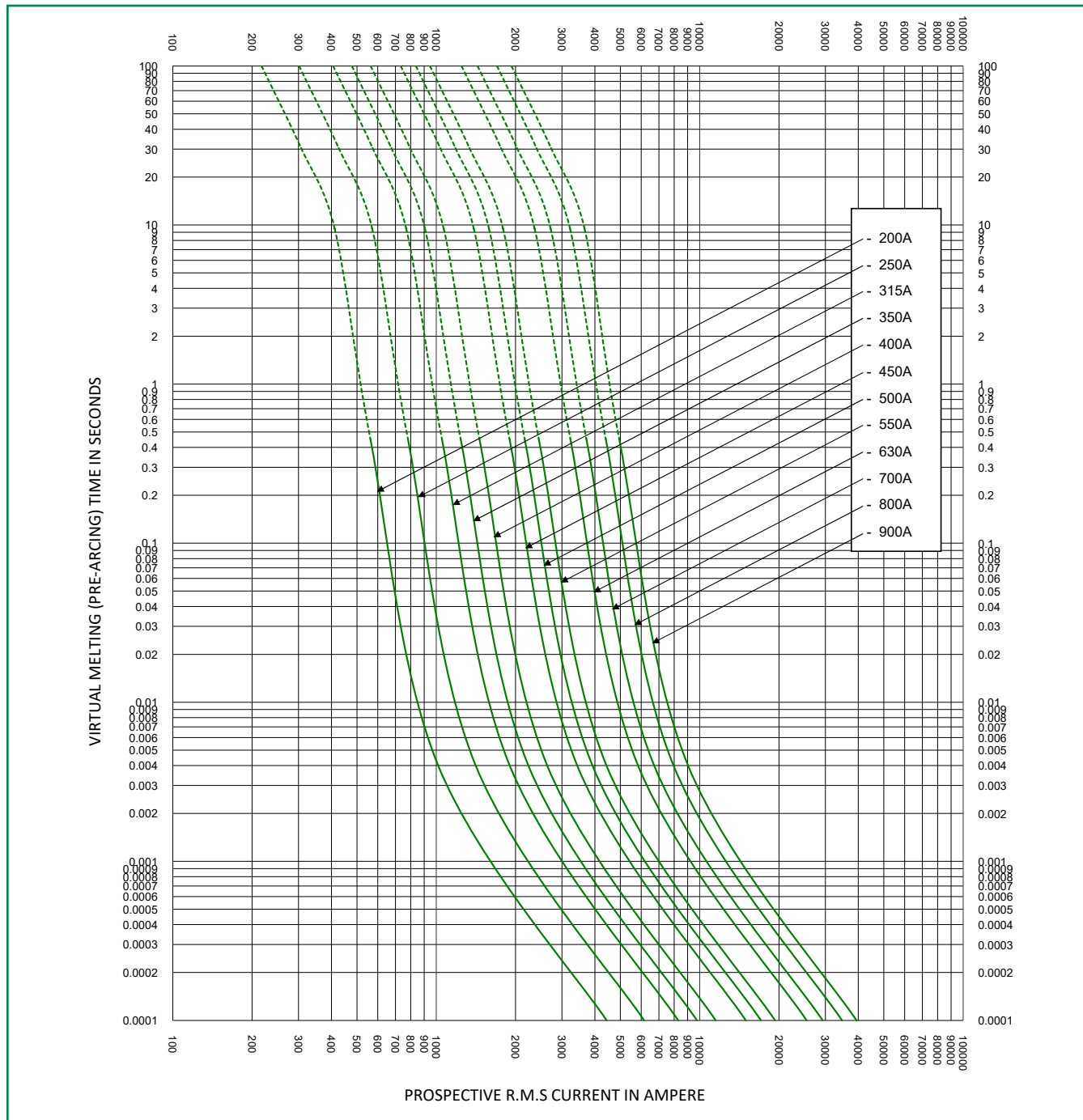


* Dc minimum breaking capacity = 9 x I_n

POWR-SPEED® Fuse

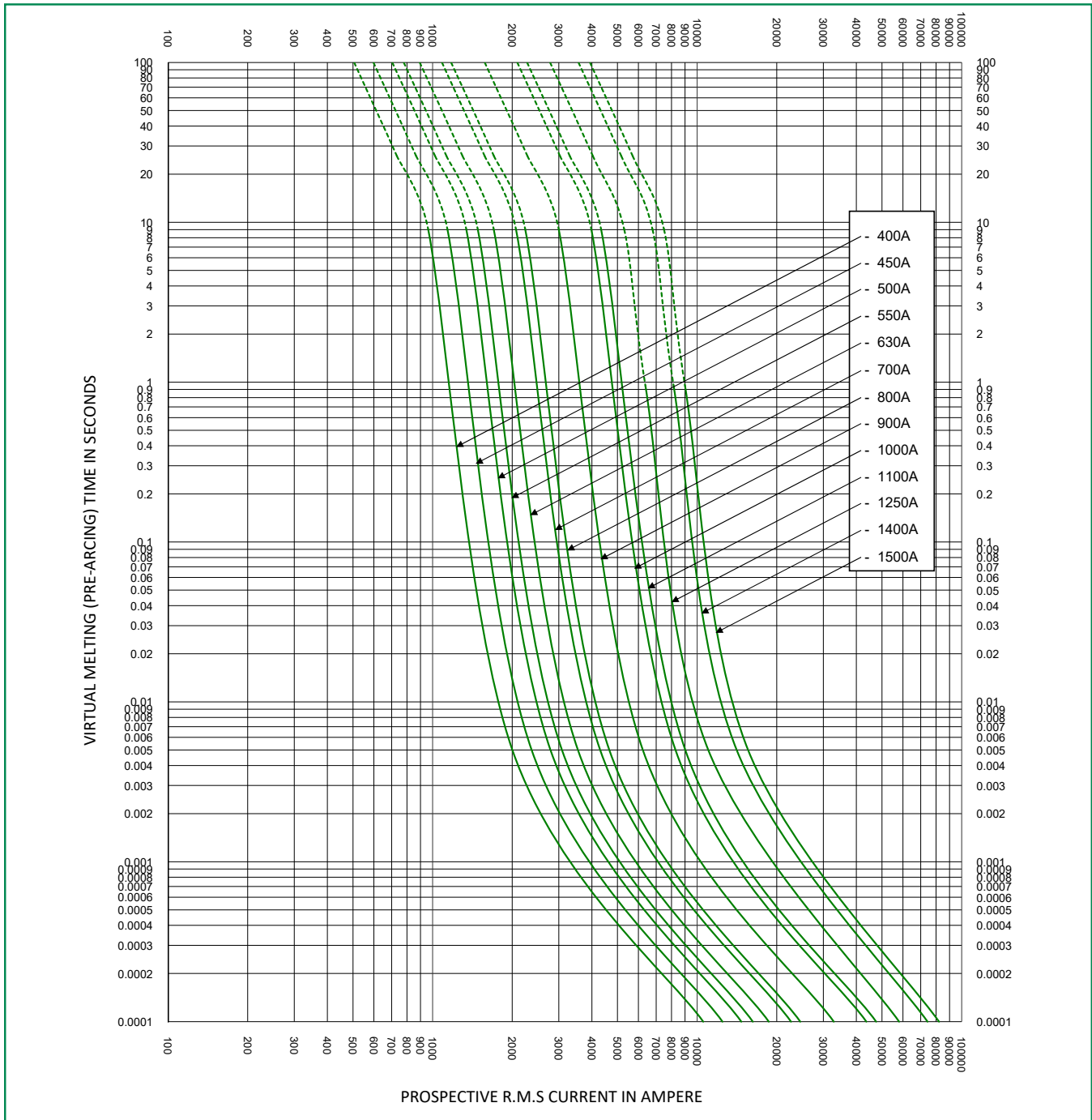
PSR SERIES HIGH-SPEED SQUARE BODY

Time Current Curve (31 Case Size)



* Dc minimum breaking capacity = 9 x In

Time Current Curve (32 Case Size)

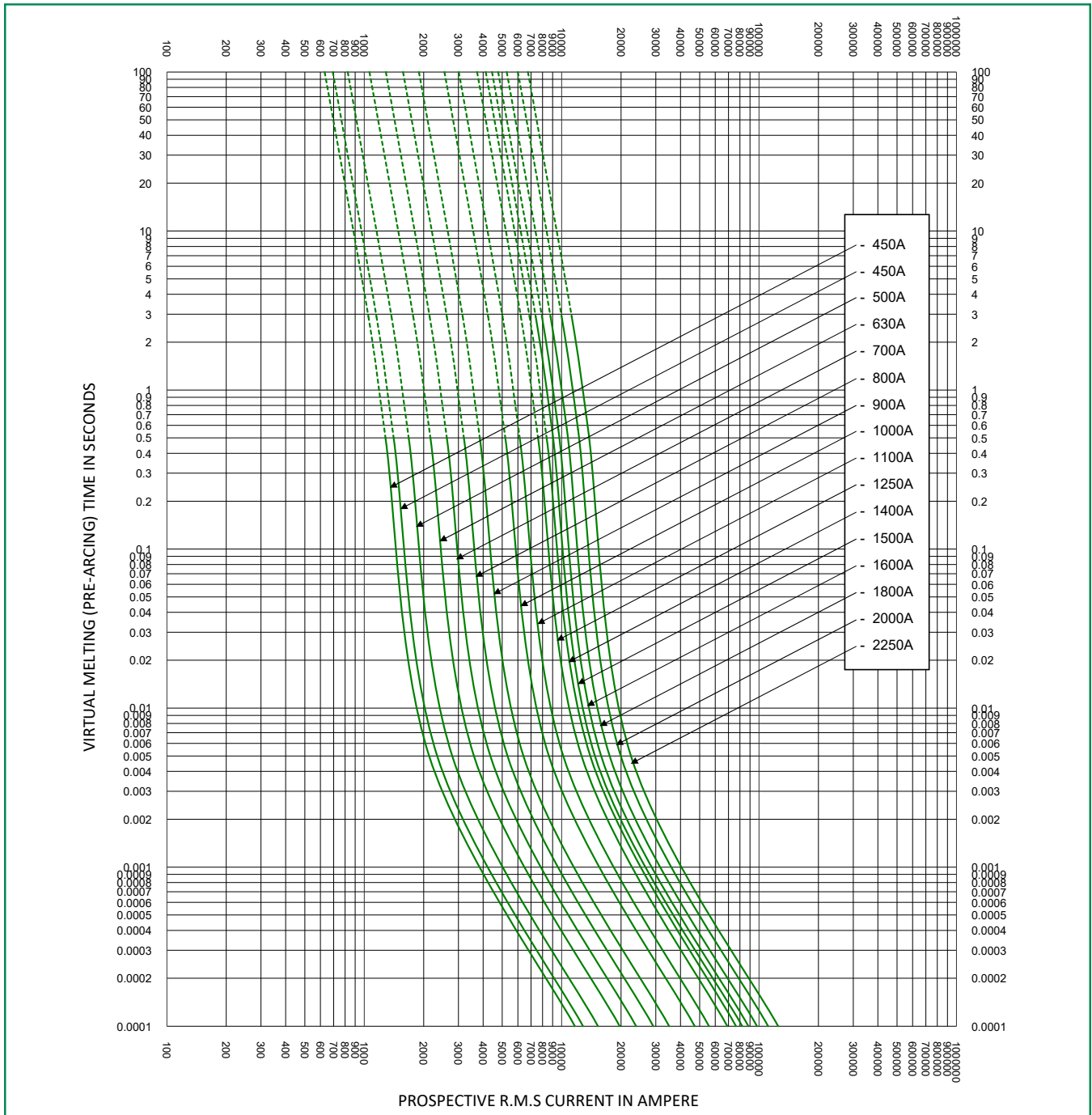


* Dc minimum breaking capacity = 9 x I_n

POWR-SPEED® Fuse

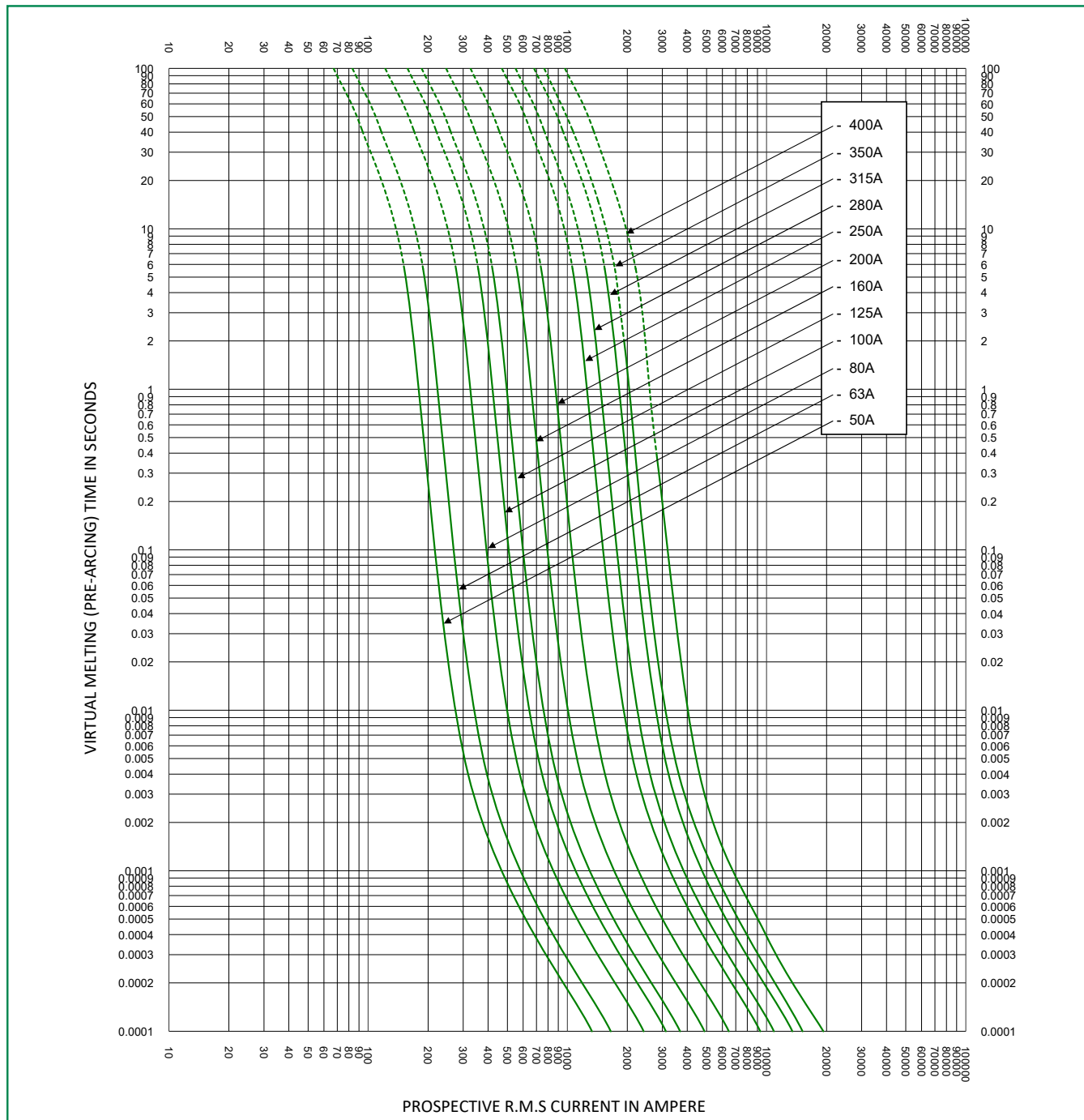
PSR SERIES HIGH-SPEED SQUARE BODY

Time Current Curve (33 Case Size)



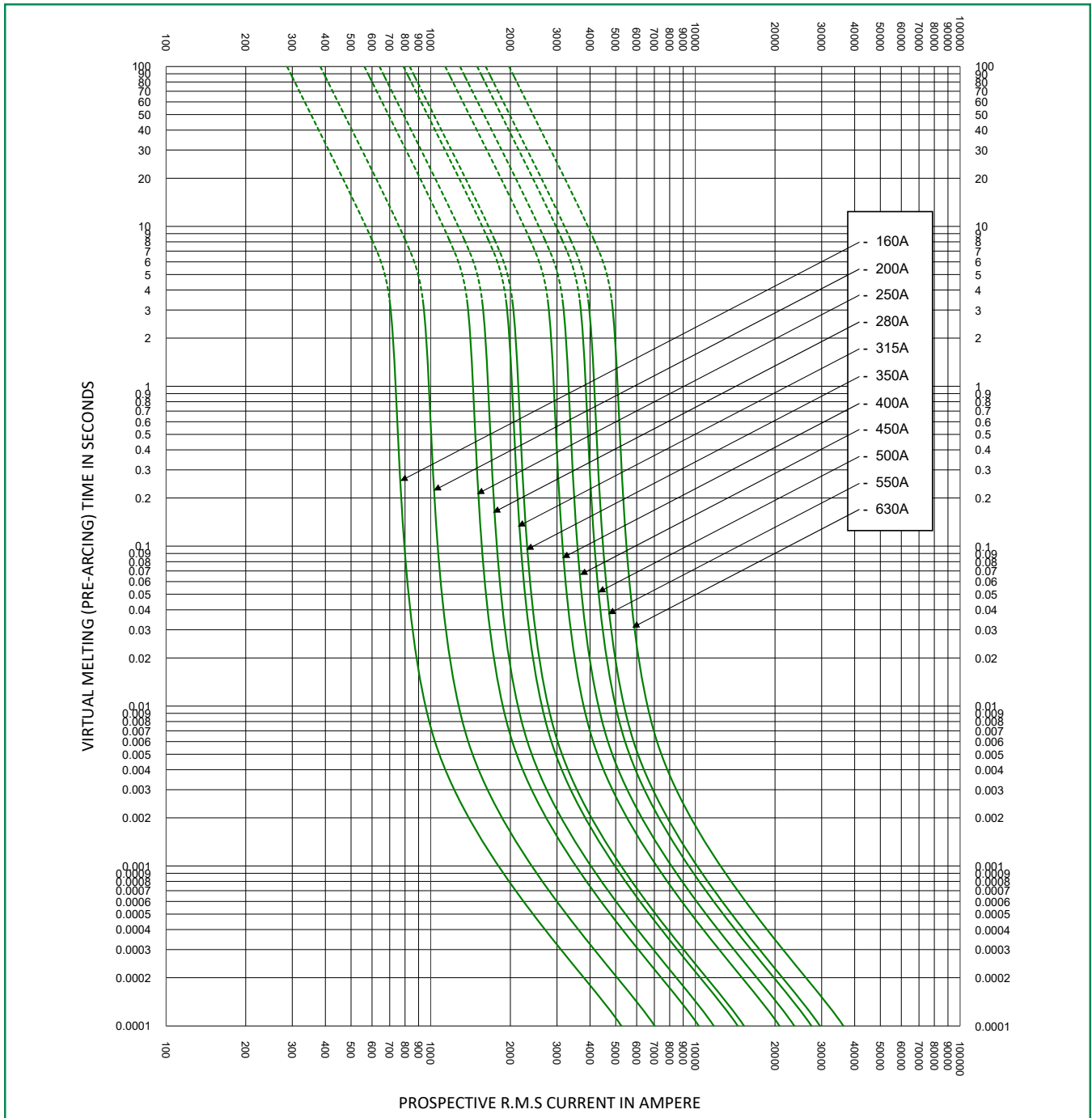
* Dc minimum breaking capacity = 9 x In

Time Current Curve (70 Case Size)



* Dc minimum breaking capacity = 9 x I_n

Time Current Curve (71 Case Size)

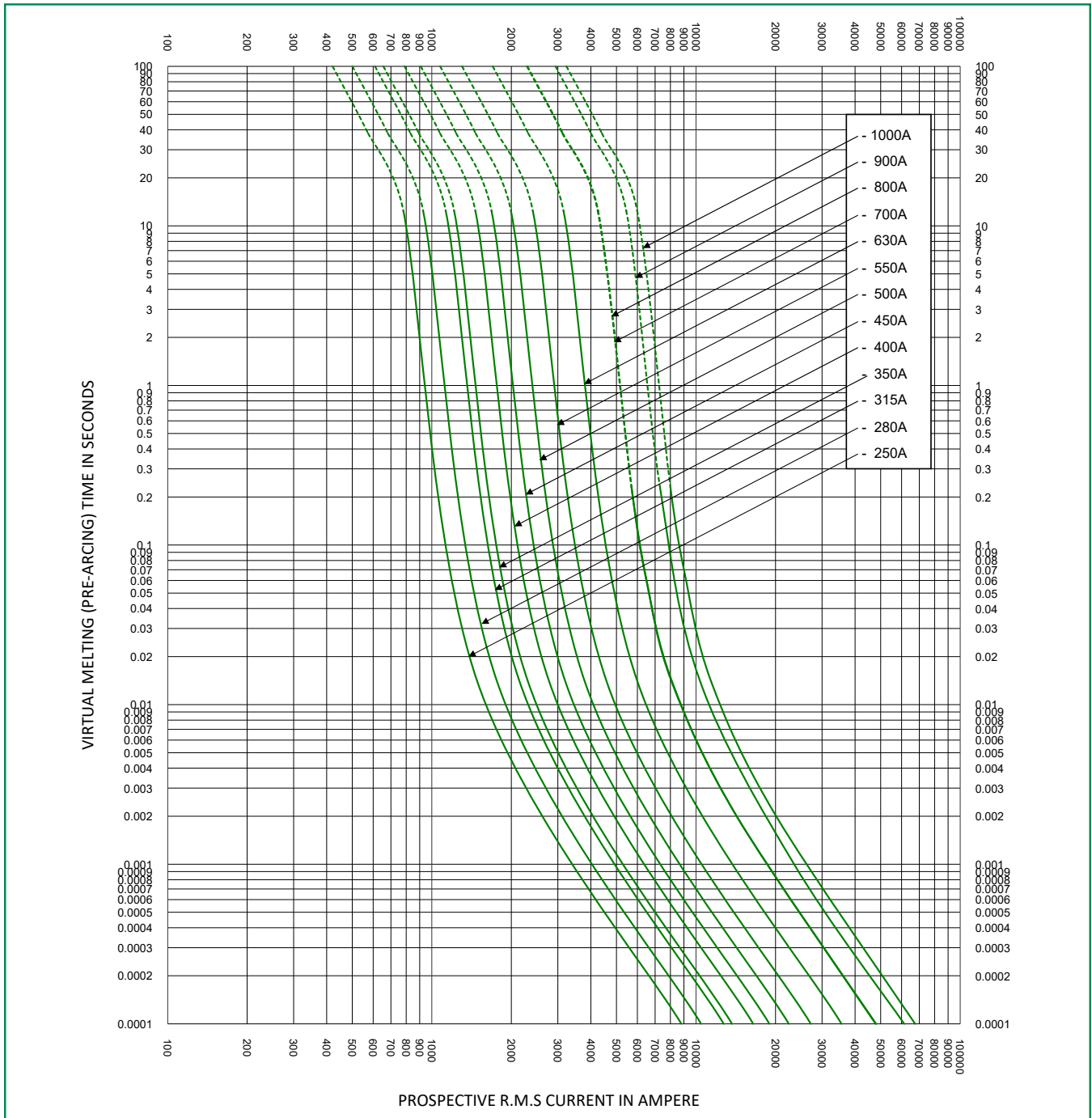


* Dc minimum breaking capacity = 9 x In

POWR-SPEED® Fuse

PSR SERIES HIGH-SPEED SQUARE BODY

Time Current Curve (72 Case Size)

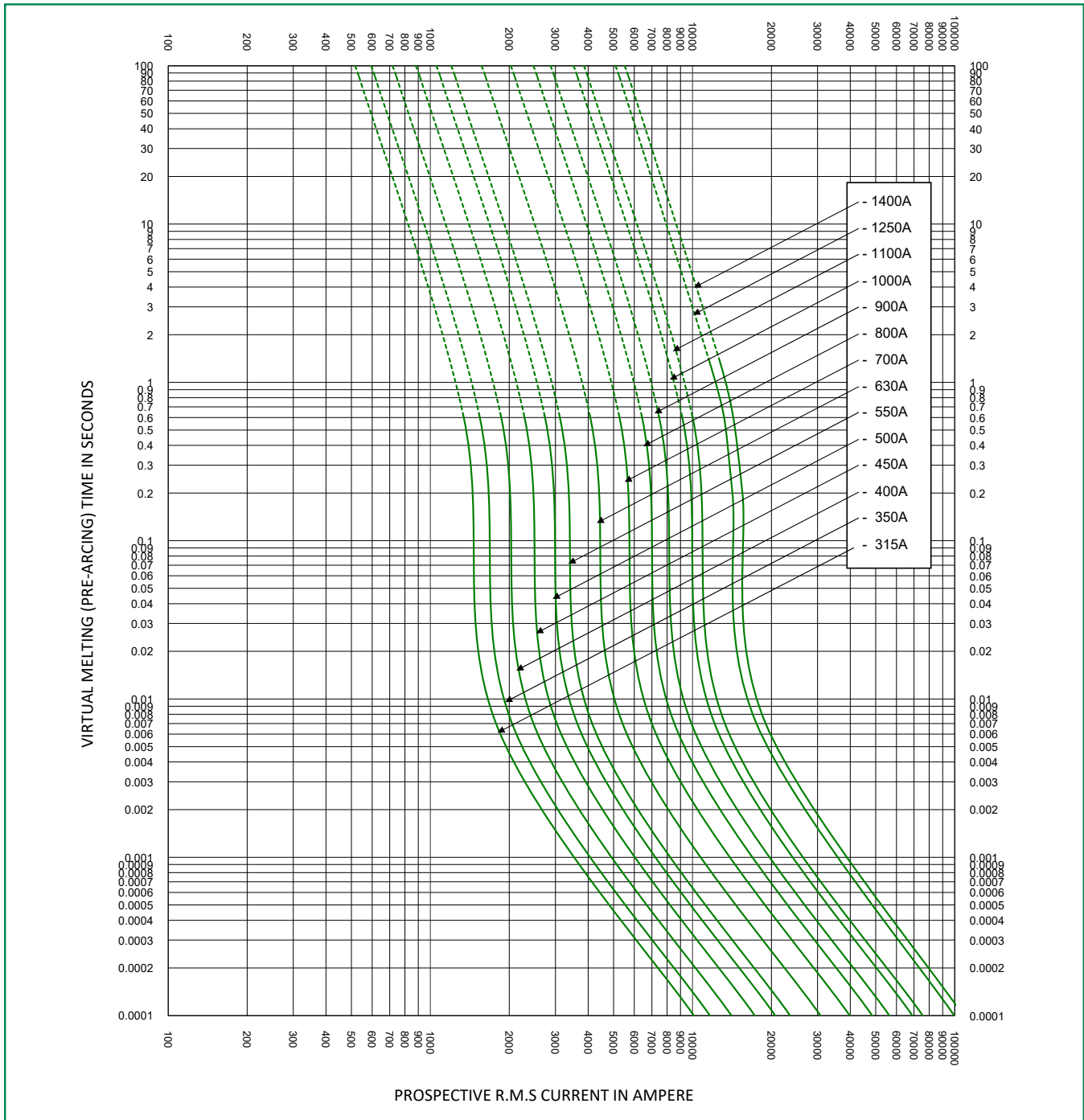


* Dc minimum breaking capacity = 9 x In

POWR-SPEED® Fuse

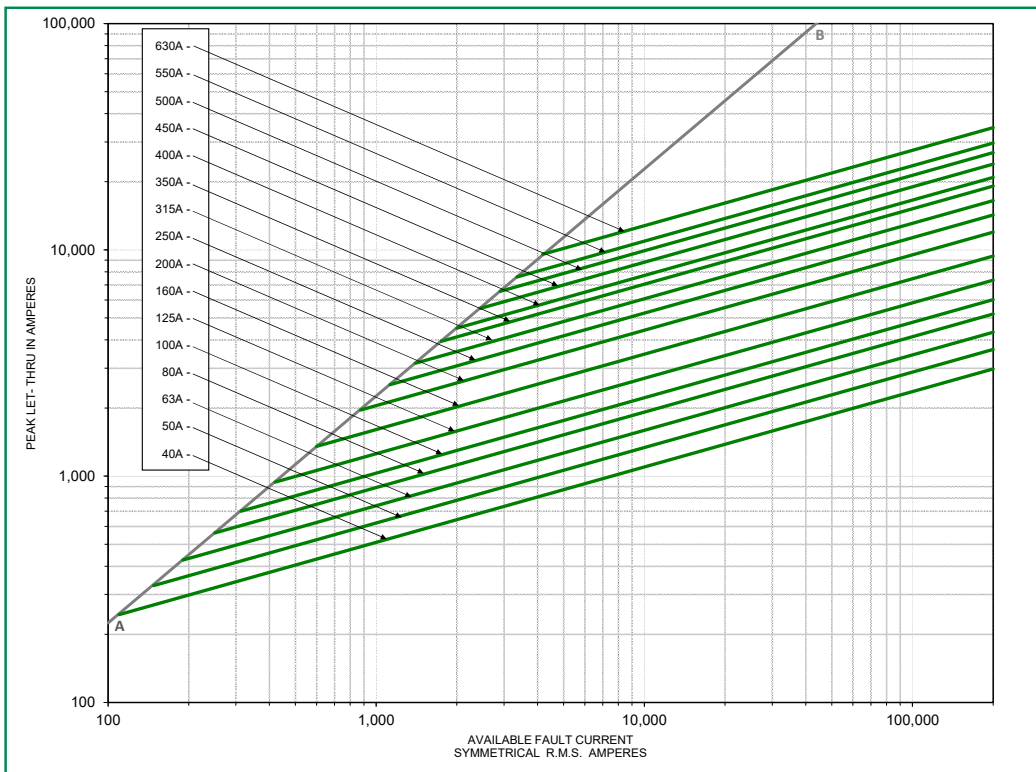
PSR SERIES HIGH-SPEED SQUARE BODY

Time Current Curve (73 Case Size)

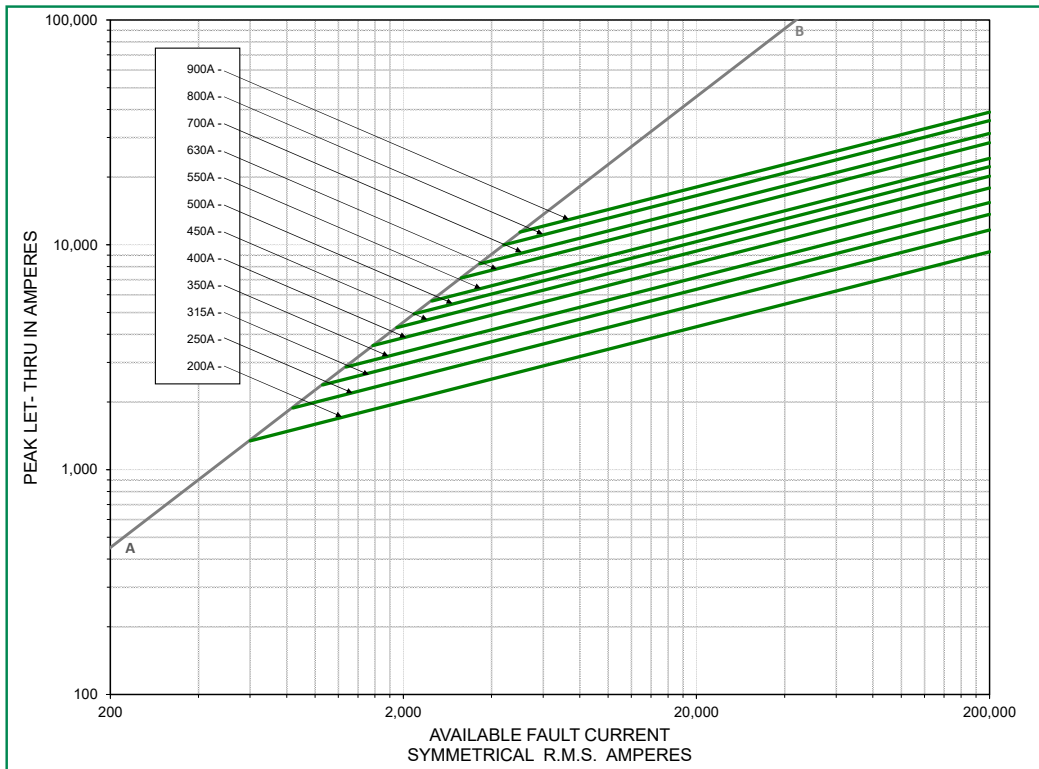


* Dc minimum breaking capacity = 9 x I_n

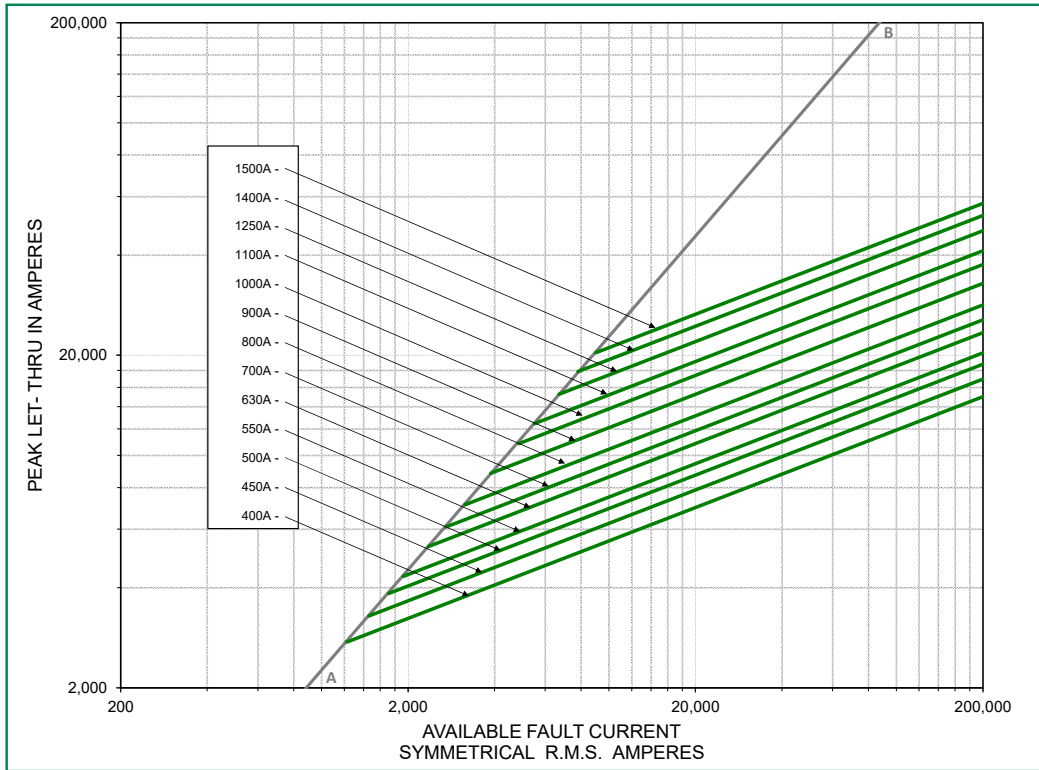
Peak Let-Through Curve (30 Case Size)



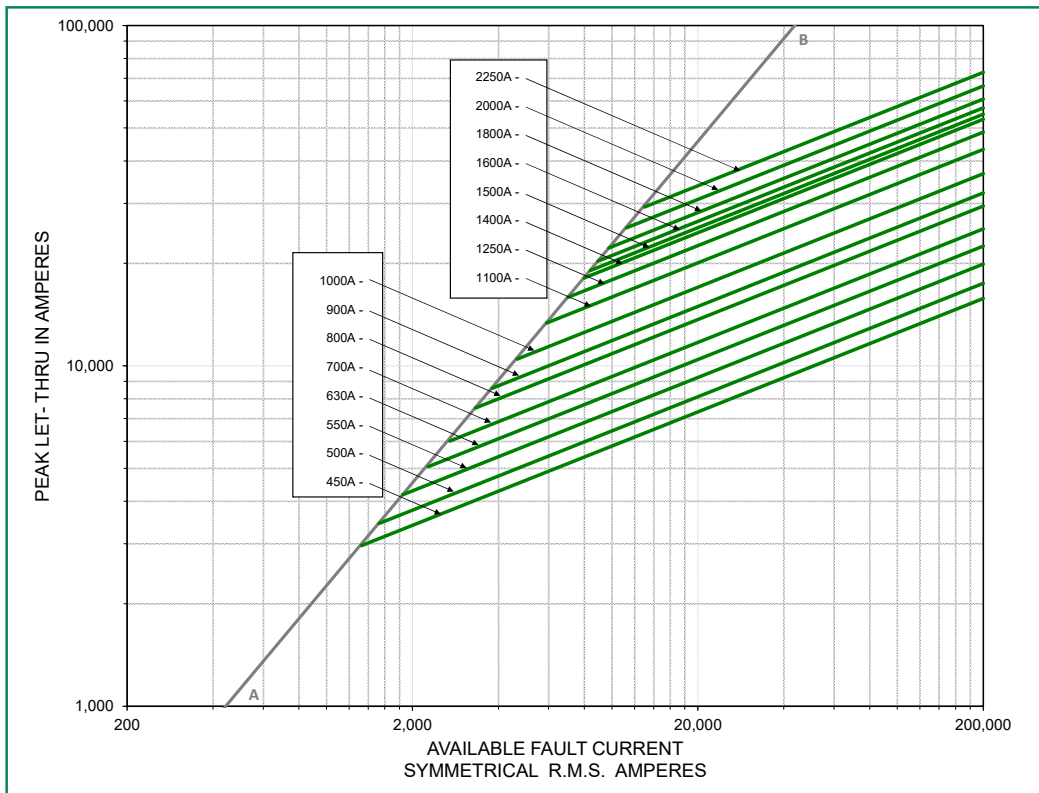
Peak Let-Through Curve (31 Case Size)



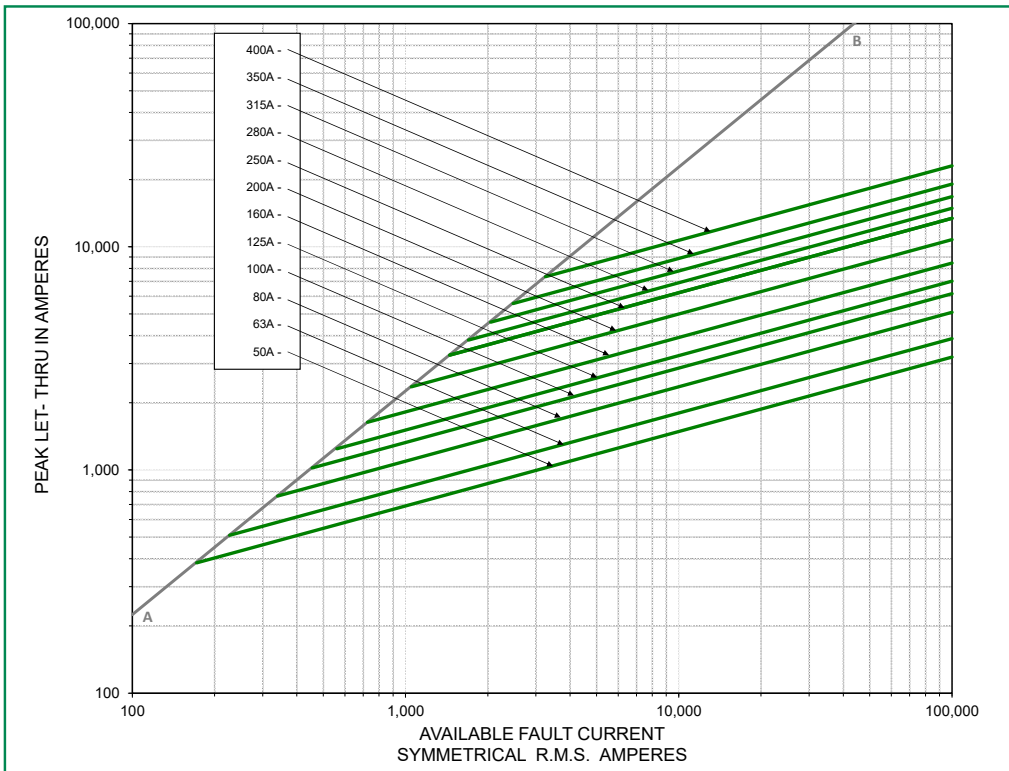
Peak Let-Thru Curve (32 Case Size)



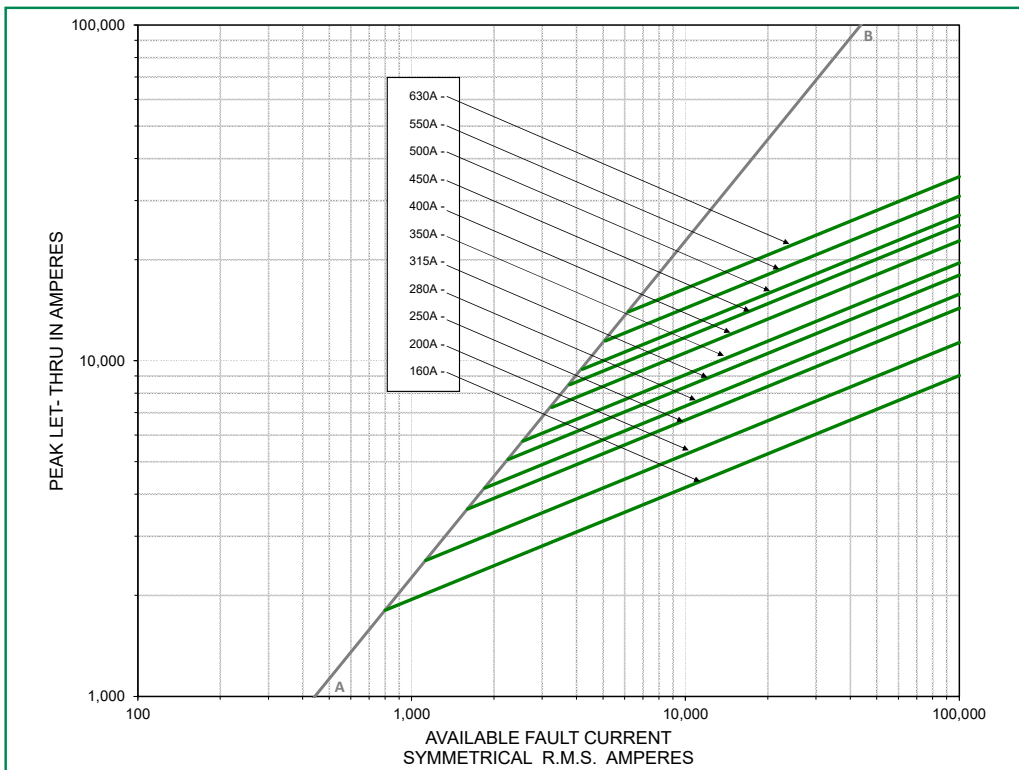
Peak Let-Thru Curve (33 Case Size)



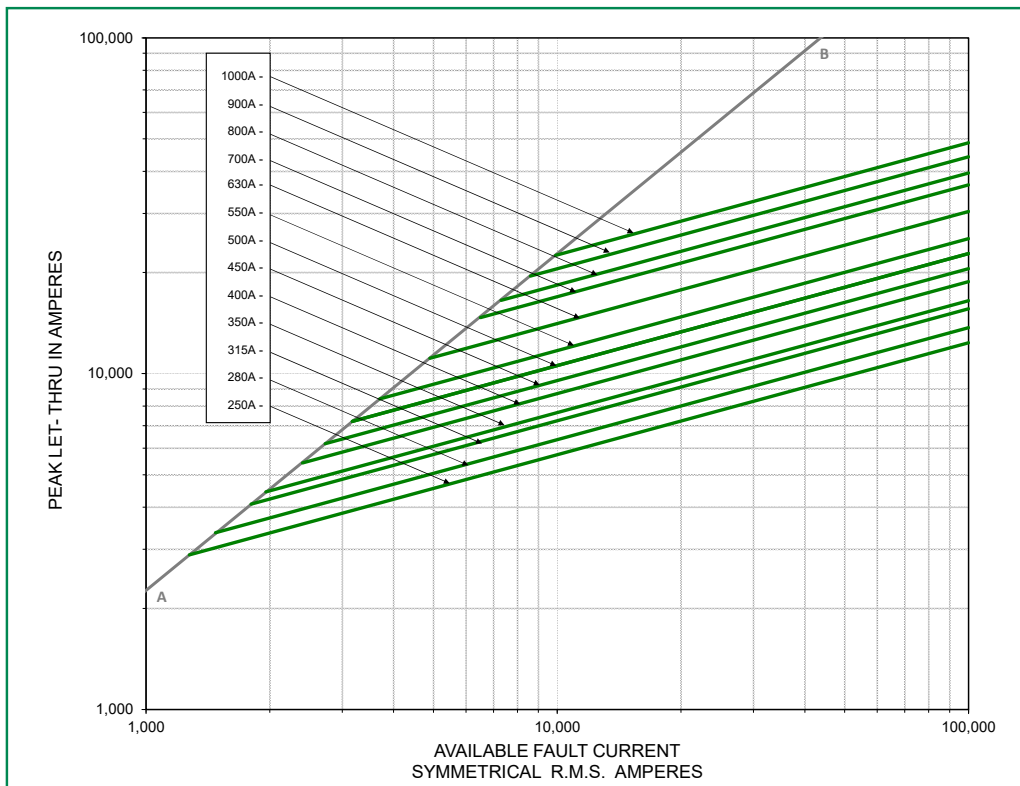
Peak Let-Thru Curve (70 Case Size)



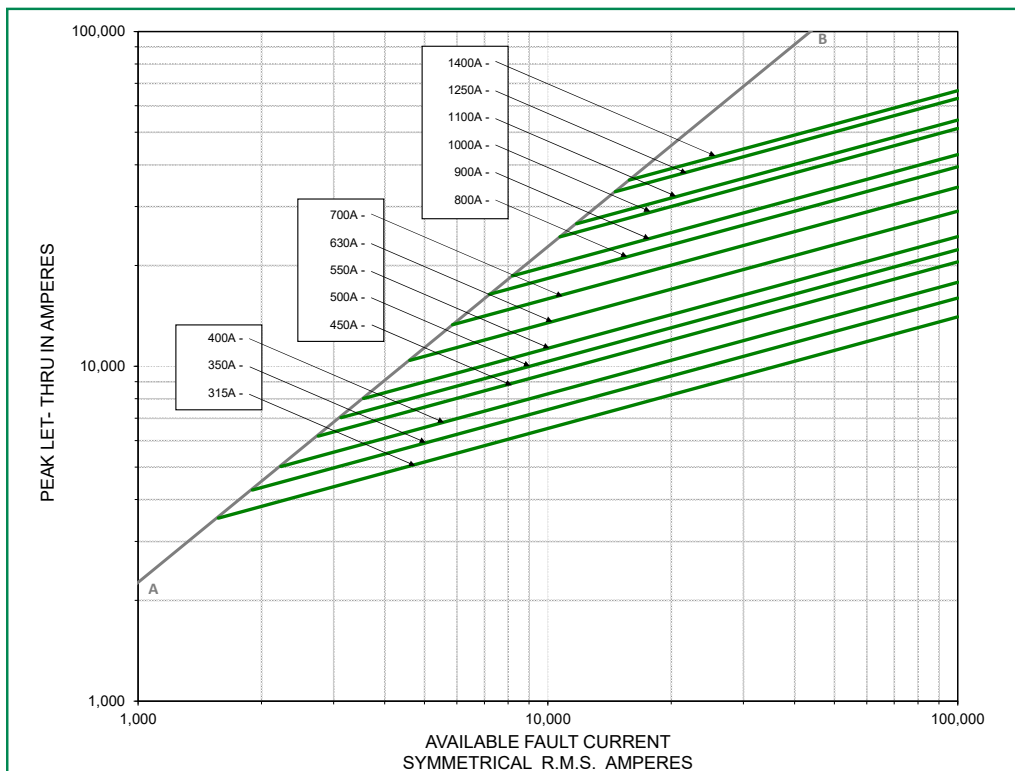
Peak Let-Thru Curve (71 Case Size)



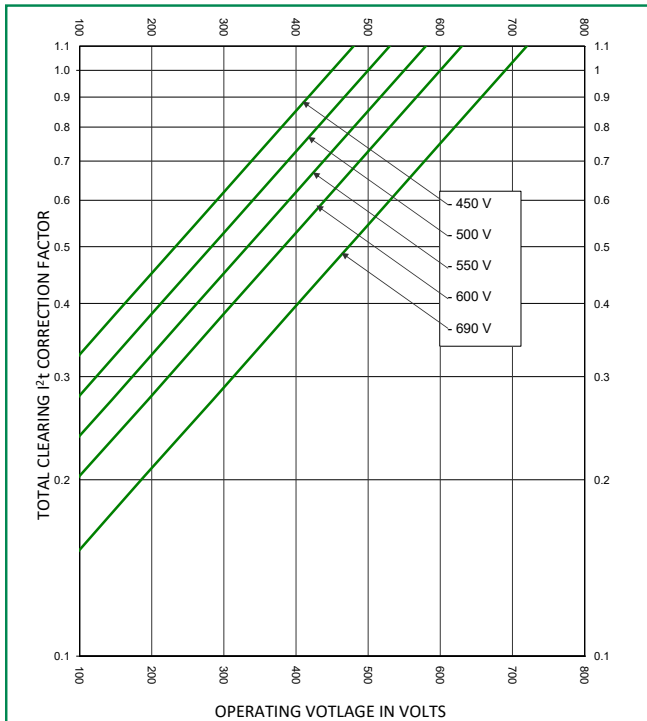
Peak Let-Thru Curve (72 Case Size)



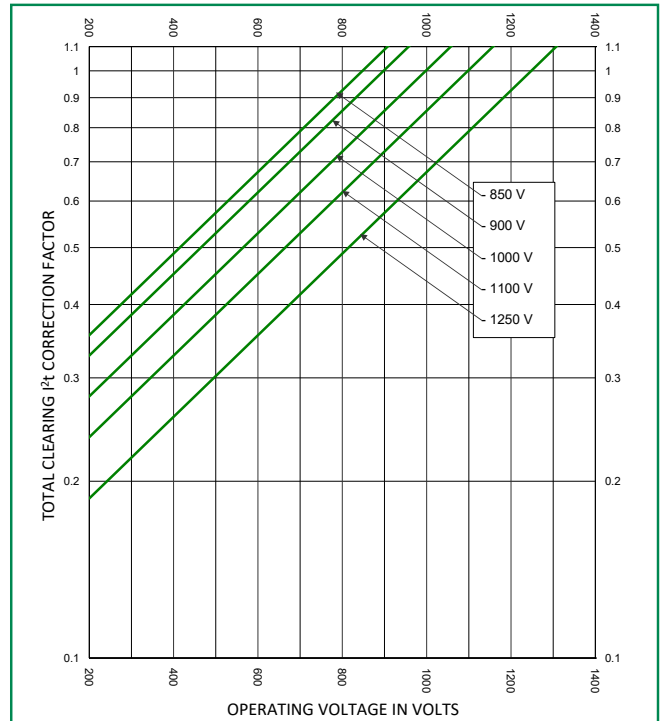
Peak Let-Thru Curve (73 Case Size)



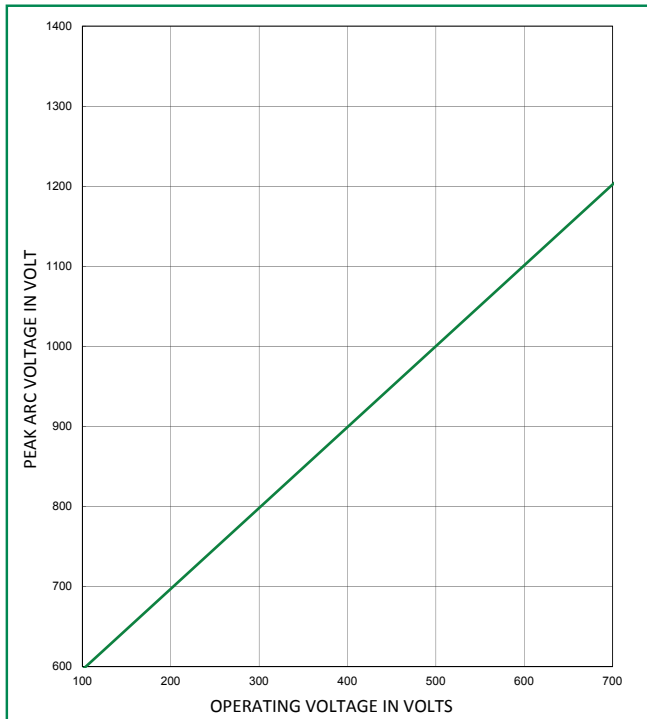
Total Clearing I²t Correction Factor Curve
(30, 31, 32 and 33 Case Sizes)



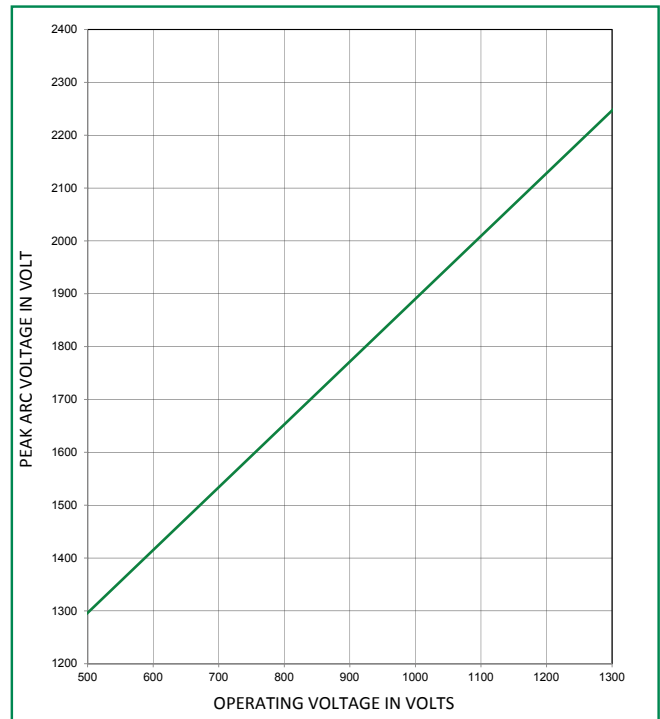
Total Clearing I²t Correction Factor Curve
(70, 71, 72 and 73 Case Sizes)



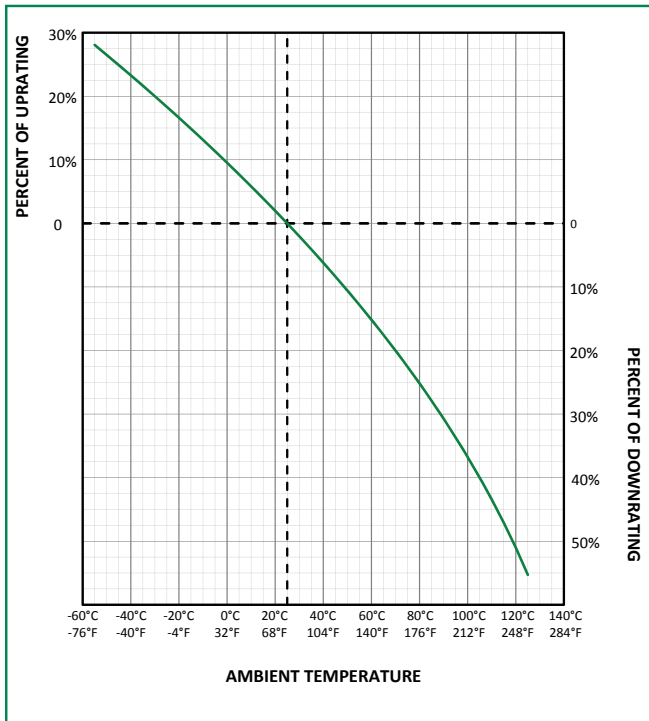
Peak Arc Voltage Curve
(30, 31, 32 and 33 Case Sizes)



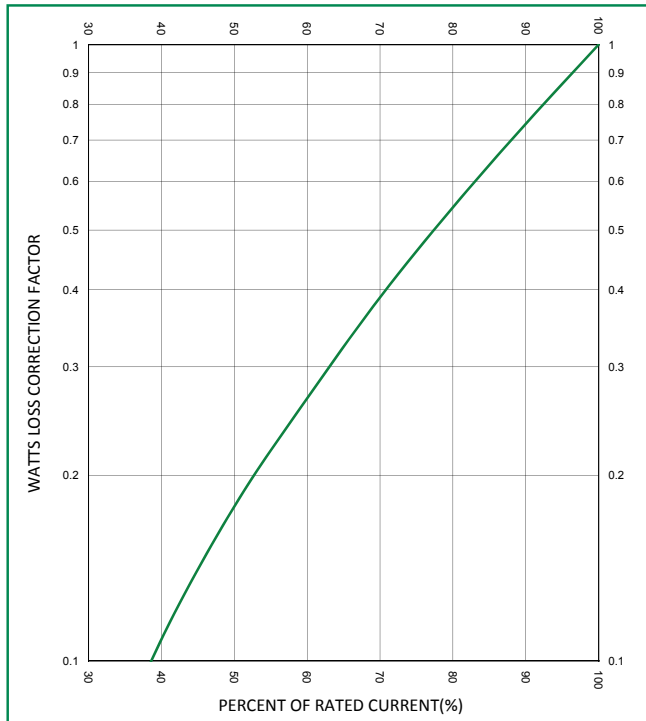
Peak Arc Voltage Curve
(70, 71, 72 and 73 Case Sizes)



Temperature Derating Curve
 (temperature of air immediately surrounding fuse)



Watts Loss Correction Factor Curve



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