

# North American Standard High Speed Fuses

## 【BRIEF INTRODUCTION】



## 【FEATURES】

- 99.95% pure silver fuse element was used, with internal solid quartz sand, strong resistance to impact and vibration, high fire resistance. It is applicable in the ambient temperature of -40
- °C~95°C, relative humidity is ≤90%

## 【CHARACTERISTICS】

- Conforms to IEC 60269-1 IEC 60269-4
- High breaking capacity: 100kA
- Small clearing I<sup>2</sup>t
- Low voltage and power losses

## 【SELECTION TABLE】 FDH 500V 5-1600A

| Size | Current  | 500V 5-200A |              | Pre-arcing I <sup>2</sup> t(A <sup>2</sup> S) | Total I <sup>2</sup> t(A <sup>2</sup> S) | Watts loss (W) | Size | Current | 500V 225-1600A |              | Pre-arcing I <sup>2</sup> t(A <sup>2</sup> S) | Total I <sup>2</sup> t(A <sup>2</sup> S) | Watts loss (W) |
|------|----------|-------------|--------------|-----------------------------------------------|------------------------------------------|----------------|------|---------|----------------|--------------|-----------------------------------------------|------------------------------------------|----------------|
|      |          | Model       | Ordering No. |                                               |                                          |                |      |         | Model          | Ordering No. |                                               |                                          |                |
| FDH  | 5        | FDH-5A      | TN203001     | 2                                             | 8                                        | 1.5            | FDH  | 225     | FDH-225A       | TN203140     | 4600                                          | 25600                                    | 37             |
|      | 10       | FDH-10A     | TN203002     | 5                                             | 15                                       | 3.5            |      | 250     | FDH-250A       | TN203150     | 6300                                          | 35400                                    | 39             |
|      | 15       | FDH-15A     | TN203003     | 15                                            | 80                                       | 5              |      | 275     | FDH-275A       | TN203160     | 7900                                          | 44300                                    | 43             |
|      | 20       | FDH-20A     | TN203004     | 20                                            | 100                                      | 5.5            |      | 300     | FDH-300A       | TN203170     | 9800                                          | 24700                                    | 48             |
|      | 25       | FDH-25A     | TN203005     | 27                                            | 140                                      | 6              |      | 325     | FDH-325A       | TN203180     | 13700                                         | 70200                                    | 50             |
|      | 30       | FDH-30A     | TN203006     | 30                                            | 140                                      | 6.5            |      | 350     | FDH-350A       | TN203190     | 14500                                         | 80200                                    | 55             |
|      | 35       | FDH-35A     | TN203010     | 34                                            | 170                                      | 7              |      | 400     | FDH-400A       | TN203200     | 19200                                         | 106300                                   | 62             |
|      | 40       | FDH-40A     | TN203020     | 76                                            | 350                                      | 7              |      | 450     | FDH-450A       | TN203210     | 24700                                         | 139700                                   | 70             |
|      | 45       | FDH-45A     | TN203030     | 105                                           | 500                                      | 7              |      | 500     | FDH-500A       | TN203220     | 29200                                         | 164000                                   | 80             |
|      | 50       | FDH-50A     | TN203040     | 135                                           | 750                                      | 7              |      | 600     | FDH-600A       | TN203230     | 41300                                         | 226600                                   | 103            |
|      | 60       | FDH-60A     | TN203050     | 210                                           | 1000                                     | 9.5            |      | 700     | FDH-700A       | TN203240     | 55000                                         | 327800                                   | 103            |
|      | 70       | FDH-70A     | TN203060     | 210                                           | 1000                                     | 10             |      | 800     | FDH-800A       | TN203250     | 76200                                         | 450000                                   | 122            |
|      | 80       | FDH-80A     | TN203070     | 305                                           | 1550                                     | 12             |      | 1000    | FDH-1000A      | TN203260     | 92000                                         | 495000                                   | 137            |
|      | 90       | FDH-90A     | TN203080     | 360                                           | 1750                                     | 14             |      | 1200    | FDH-1200A      | TN203270     | 122000                                        | 660000                                   | 171            |
|      | 100      | FDH-100A    | TN203090     | 485                                           | 2200                                     | 16             |      | 1400    | FDH-1400A      | TN203280     | 200000                                        | 1100000                                  | 200            |
|      | 125      | FDH-125A    | TN203100     | 800                                           | 3800                                     | 23             |      | 1600    | FDH-1600A      | TN203290     | 290000                                        | 1540000                                  | 218            |
|      | 150      | FDH-150A    | TN203110     | 1100                                          | 5000                                     | 28             |      |         |                |              |                                               |                                          |                |
| 175  | FDH-175A | TN203120    | 1450         | 6800                                          | 33                                       |                |      |         |                |              |                                               |                                          |                |
| 200  | FDH-200A | TN203130    | 1900         | 9400                                          | 38                                       |                |      |         |                |              |                                               |                                          |                |

Remark: 100kA at 500Vac 50kA at 500Vdc