

# UDA-A

5.2 $\varnothing$  x 20 mm

Time-Lag Fuse



## Agency Approvals

| Agency                                 | Ampere Rating |
|--|---------------|
| UL Recognized                          | 500mA - 10A   |
| Recognized Component for Canada and US | 10.1A - 25A   |
| VDE                                    | 800mA - 12A   |
| CSA Acceptance                         | 800mA - 10A   |
| TUV                                    | 15A - 25A     |
| PSE                                    | 1A - 15A      |
| KTL                                    | 1A - 10A      |
| CCC                                    | 1A - 10A      |
| SEMKO                                  | 800mA - 12A   |

## Interrupting Rating

|              |                          |
|--------------|--------------------------|
| 500mA - 12A: | 1,500 amperes at 250V AC |
| 15A - 16A:   | 500 amperes at 250V AC   |
| 20A:         | 400 amperes at 250V AC   |
| 25A:         | 300 amperes at 250V AC   |

## Product Characteristics

|                              |  |
|------------------------------|--|
| <b>Operating Temperature</b> | -55 °C to 125 °C                                       |
| <b>Material</b>              | Body: Ceramic<br>Caps: Nickel Plated Brass             |
| <b>Leads Wire</b>            | Ø0.8 mm 12A and less.<br>Ø1.0 mm for rating above 15A. |

## Packaging

| Packaging Option     | Quantity        |
|----------------------|-----------------|
| Bulk                 | 500 pcs / box   |
| On Axial Tape & Reel | 1,000 pcs / box |

## Electrical Characteristics

| Ampere Rating | Opening Time |        |        |        |         |       |       |        |       |     |
|---------------|--------------|--------|--------|--------|---------|-------|-------|--------|-------|-----|
|               | 1.5 In       |        | 2.1 In |        | 2.75 In |       | 4 In  |        | 10 In |     |
|               | MIN          | MAX    | MIN    | MAX    | MIN     | MAX   | MIN   | MAX    | MIN   | MAX |
| 500mA - 800mA | 60 min       | 30 min | 250 ms | 80 sec | 50 ms   | 5 sec | 5 ms  | 150 ms |       |     |
| 1A - 3.15A    | 60 min       | 30 min | 750 ms | 80 sec | 95 ms   | 5 sec | 10 ms | 150 ms |       |     |
| 4A - 6.3A     | 60 min       | 30 min | 750 ms | 80 sec | 150 ms  | 5 sec | 10 ms | 150 ms |       |     |
| 8A - 25A      | 30 min       | 30 min | 750 ms | 80 sec | 150 ms  | 5 sec | 10 ms | 150 ms |       |     |

| Catalog Number | Ampere Rating (A) | Voltage Rating (V) | Nominal Cold Resistance (Ohms) | Voltage Drop (mv) MAX | Nominal Melting I <sup>2</sup> t (A <sup>2</sup> sec.) |
|----------------|-------------------|--------------------|--------------------------------|-----------------------|--|
| UDA-A .500     | 500mA             | 250V               | 0.2276                         | 850                   | 0.7290   |
| UDA-A .630     | 630mA             |                    | 0.1392                         | 650                   | 1.6880   |
| UDA-A .800     | 800mA             |                    | 0.1180                         | 500                   | 2.3040   |
| UDA-A 001      | 1A                |                    | 0.0730                         | 350                   | 6.5570   |
| UDA-A 1.25     | 1.25A             |                    | 0.0630                         | 300                   | 7.8125   |
| UDA-A 1.60     | 1.6A              |                    | 0.0600                         | 200                   | 8.9600   |
| UDA-A 002      | 2A                |                    | 0.0499                         | 190                   | 18.576   |
| UDA-A 2.50     | 2.5A              |                    | 0.0384                         | 180                   | 29.070   |
| UDA-A 3.15     | 3.15A             |                    | 0.0290                         | 140                   | 39.564   |
| UDA-A 004      | 4A                |                    | 0.0186                         | 100                   | 97.920   |
| UDA-A 005      | 5A                |                    | 0.0135                         | 100                   | 166.77   |
| UDA-A 6.30     | 6.3A              |                    | 0.0105                         | 100                   | 198.48   |
| UDA-A 008      | 8A                |                    | 0.0068                         | 100                   | 230.19   |
| UDA-A 010      | 10A               |                    | 0.0050                         | 100                   | 377.77   |
| UDA-A 012      | 12A               |                    | 0.0034                         | 100                   | 848.88   |
| UDA-A 015      | 15A               |                    | 0.0032                         | 100                   | 900.32   |
| UDA-A 016      | 16A               |                    | 0.0030                         | 100                   | 1086.6   |
| UDA-A 020      | 20A               |                    | 0.0023                         | 100                   | 1687.0   |
| UDA-A 025      | 25A               |                    | 0.0018                         | 100                   | 4121.4   |

## Mechanical Dimensions (mm)

