## Description

- Fast acting, low breaking capacity
- $5 \mathrm{~mm} \times 20 \mathrm{~mm}$ physical size
- Glass tube, nickel-plated brass endcap construction
- Optional axial leads are .032" x 1.5" copper tinned
- Optional sleeve is flexible flouropolymer
(U.L. flammability rating VW-1).
- Designed to IEC 60127-2-1

| ELECTRICAL CHARACTERISTICS |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1.5 ln | 2.1 In |  | In |  |  | 10 ln |
| In | min | max | min | max | min | max | max |
| $32 \mathrm{~mA}-100 \mathrm{~mA}$ | 60 min | 30 min | 10 ms | 500 ms | 3 ms | 100 ms | 20 ms |
| 125mA-6.3A | 60 min | 30 min | 50 ms | 2 sec | 10 ms | 300 ms | 20 ms |

1.1 In : $\Delta t$ less than or equal to $70^{\circ} \mathrm{C}, 125 \mathrm{ma}-3 \mathrm{~A}$
1.0 In : $\Delta t$ less than or equal to $70^{\circ} \mathrm{C}, 4 \mathrm{~A}$

Ordering

- Specify product code, option code and packaging code


## Approvals

- UL Recognized, Guide JDYX2, File E75865, 32mA-6.3A
- Semko Approval 32mA-400mA and 800mA-6.3A
- VDE Approval 160mA-6.3A
- BSI Approval 160mA-6.3A
- IMQ Approval 160mA-6.3A



## Dimensions



SPECIFICATIONS

| SPECIFICATIONS |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Product Code | Voltage Rating AC | Interrupting Rating at Rated Voltage (50Hz) AC/DC | Typical DC Cold Resistance (ohms)* | Typical Melting ${ }^{1} 2 \mathrm{t}\left(\mathrm{A}^{2} \mathrm{Sec}\right)$ AC $\dagger$ | Maximum Voltage Drop (mV) $\ddagger$ |
| GDB-32mA | 250V | 35A | 41.5 | 0.000047 | 3200 |
| GDB-40mA | 250 V | 35A | 25.5 | 0.00011 | 2500 |
| GDB-50mA | 250V | 35A | 17.5 | 0.00020 | 2400 |
| GDB-63mA | 250 V | 35A | 12.9 | 0.00057 | 2000 |
| GDB-80mA | 250V | 35A | 5.2 | 0.0012 | 1200 |
| GDB-100mA | 250 V | 35A | 3.9 | 0.003 | 1100 |
| GDB-125mA | 250V | 35A | 2.9 | 0.005 | 1000 |
| GDB-160mA | 250V | 35A | 9.2 | 0.008 | 2000 |
| GDB-200mA | 250V | 35A | 7.0 | 0.016 | 1700 |
| GDB-250mA | 250V | 35A | 4.5 | 0.28 | 1400 |
| GDB-315mA | 250V | 35A | 3.2 | 0.58 | 1300 |
| GDB-400mA | 250V | 35A | 1.9 | 0.18 | 1100 |
| GDB-500mA | 250V | 35A | 0.27 | 0.18 | 220 |
| GDB-630mA | 250V | 35A | 0.21 | 0.35 | 220 |
| GDB-800mA | 250V | 35A | 0.15 | 0.67 | 190 |
| GDB-1A | 250V | 35A | 0.13 | 0.60 | 200 |
| GDB-1.25A | 250 V | 35A | 0.098 | 0.84 | 200 |
| GDB-1.6A | 250V | 35A | 0.068 | 1.6 | 190 |
| GDB-2A | 250 V | 35A | 0.044 | 4.2 | 150 |
| GDB-2.5A | 250 V | 35A | 0.035 | 6.1 | 150 |
| GDB-3.15A | 250 V | 35A | 0.026 | 13 | 130 |
| GDB-4A | 250 V | 35A | 0.022 | 22 | 130 |
| GDB-5A | 250 V | 35A | 0.015 | 42 | 120 |
| GDB-6.3A | 250 V | 35A | 0.010 | 69 | 120 |

* DC Cold Resistance (Measured at $<10 \%$ of rated current)
$\dagger$ Typical Melting $1^{2} t\left(I^{2} t\right.$ was measured at listed interrupting rating and rated voltage)
$\ddagger$ Maximum Voltage Drop (Voltage drop was measured at $20^{\circ} \mathrm{C}$ ambient temperature at rated current)

TIME CURRENT CURVE
Time-Current Characteristic Curves-Average Melt


| OPTION CODE |  |
| :---: | :--- |
| Option Code | Description |
| $\mathbf{S}$ | Sealed with a flouropolmer sleeve to withstand aqueous cleaning |
| V | Axial leads - copper tinned wire with nickel plated brass overcaps |


| PACKAGING CODE |  |
| :---: | :--- |
| Packaging Code | Description |
| BK | 100 pieces of fuses packed into a cardboard carton with flaps folded |
| BK1 | 1,000 pieces of fuses packed into a poly bag |
| TR2 | 1,500 pieces of fuses packed into tape on a reel |

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