



## BF-Inline Fuse Rated 32V

Inline fuse to protect specific cable cross-sections and insulations; Cross-section 10mm<sup>2</sup> to 35mm<sup>2</sup>. For rated voltage up to 32 VDC.

Assembly notes: The wire integrated fuse has to be insulated by using a self-adhesive shrinking tube. The wire has to be fixed on both sides of the fuse to minimize the wire forces. Recommended shrinking tube: DERAY(R)-IAKT 4:1, 24mm

### Specifications

|                              |                             |
|------------------------------|-----------------------------|
| Voltage Rating:              | 32 VDC                      |
| Housing Material:            | PETGF30                     |
| Insulating Housing Material: | PAGF30                      |
| Terminals:                   | Crimp, Copper alloy, tinned |
| Interrupting Rating:         | 2000A @32VDC                |

### Ordering Information

| Part Number | Package Size |
|-------------|--------------|
| 153.0000    | 300          |

### Time-Current Characteristics 100A-190A

| % of Rating | Opening Time Min / Max (s) |        |
|-------------|----------------------------|--------|
| 100         | 360,000 s                  | —      |
| 150         | 90 s                       | 1800 s |
| 200         | 3 s                        | 240 s  |
| 300         | 0.3 s                      | 60 s   |
| 500         | 0.1 s                      | 10 s   |

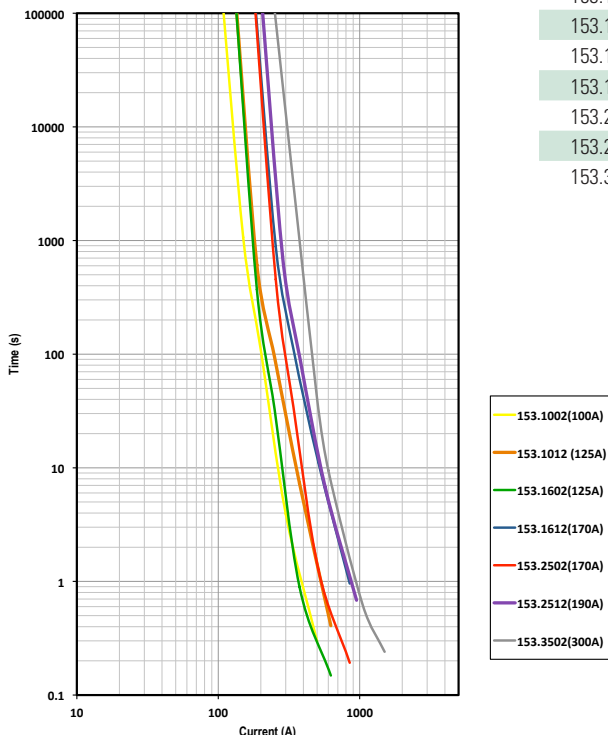
### Time-Current Characteristics 300A

| % of Rating | Opening Time Min / Max (s) |       |
|-------------|----------------------------|-------|
| 75          | 360,000 s                  | —     |
| 165         | 10 s                       | 100 s |
| 200         | 1 s                        | 15 s  |
| 350         | 0.3 s                      | 5 s   |
| 500         | 0.1 s                      | 1 s   |

### Ratings

| Part Number | Current Rating (A) | Wire Size/Type/Marking    | Typ. Voltage Drop (mV) | Cold Resistance (mΩ) | I <sup>2</sup> t (A <sup>2</sup> s) |
|-------------|--------------------|---------------------------|------------------------|----------------------|-------------------------------------|
| 153.1002    | 100                | 10mm <sup>2</sup> /FLY/P  | 60                     | 0.42                 | 27,000                              |
| 153.1012    | 125                | 10mm <sup>2</sup> /FL2G/S | 70                     | 0.32                 | 87,500                              |
| 153.1602    | 125                | 16mm <sup>2</sup> /FLY/P  | 75                     | 0.41                 | 29,600                              |
| 153.1612    | 170                | 16mm <sup>2</sup> /FL2G/S | 60                     | 0.22                 | 248,000                             |
| 153.2502    | 170                | 25mm <sup>2</sup> /FLY/P  | 70                     | 0.29                 | 78,500                              |
| 153.2512    | 190                | 25mm <sup>2</sup> /FL2G/S | 52                     | 0.22                 | 248,000                             |
| 153.3502    | 300                | 35mm <sup>2</sup> /FLY/P  | 70                     | 0.20                 | 373,000                             |

### Time-Current Characteristics Curve



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