

Size 1*, 3 and 23 Square Body High Speed Traction Fuse Links for Third Rail Applications 50A to 1600A, 750Vdc

Catalogue Symbol: 170M2000 to 170M2005
170M2010 to 170M2016
170M2017 to 170M2021

Class of Operation: aR size 1*
gR size 3 and 23

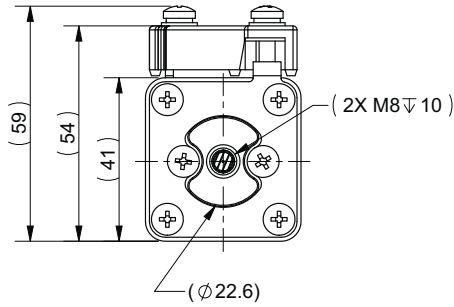
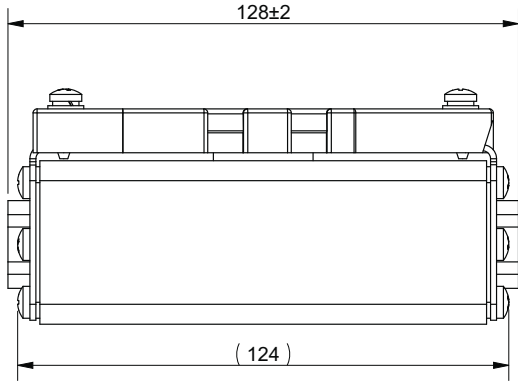
Fuse Size: 1*, 3 and 23

Standards/Approvals: IEC 60269

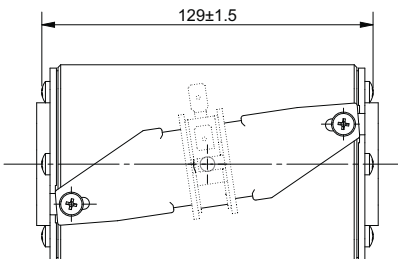
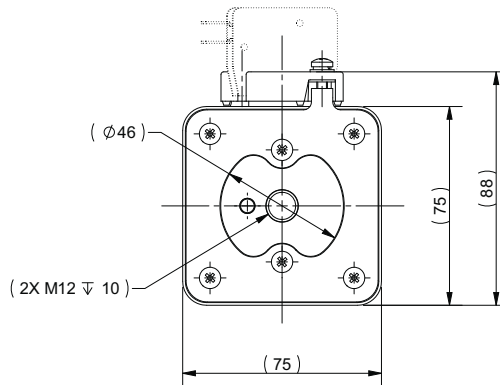
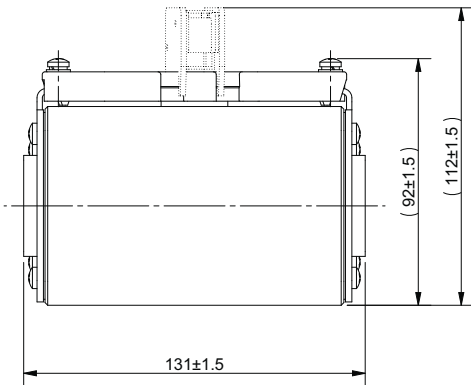
Microswitch (optional): 170H0069 Type K
indicator, 6.3 x 0.8mm
lugs. 1.5V operating
voltage.

Dimensions - mm

170M2000 to 170M2005 - Flush End - Size 1* - 50 to 160A



170M2010 to 170M2016 - Flush End - Size 3 - 450 to 800A



Size 1* = Size 1 Compact Size



Description: A range of high speed square body traction fuse links which provides superior protection for harsh DC traction third rail applications up to 750Vdc.

Packaging: MOQ: 1
Packaging 100% recyclable

Technical Data:

Rated Voltage: 750Vdc
Rated Current/Mounting Method:
50-160A, Size 1, Flush End
450-800A, Size 3, Flush End
1000-1600A, Size 23, Parallel

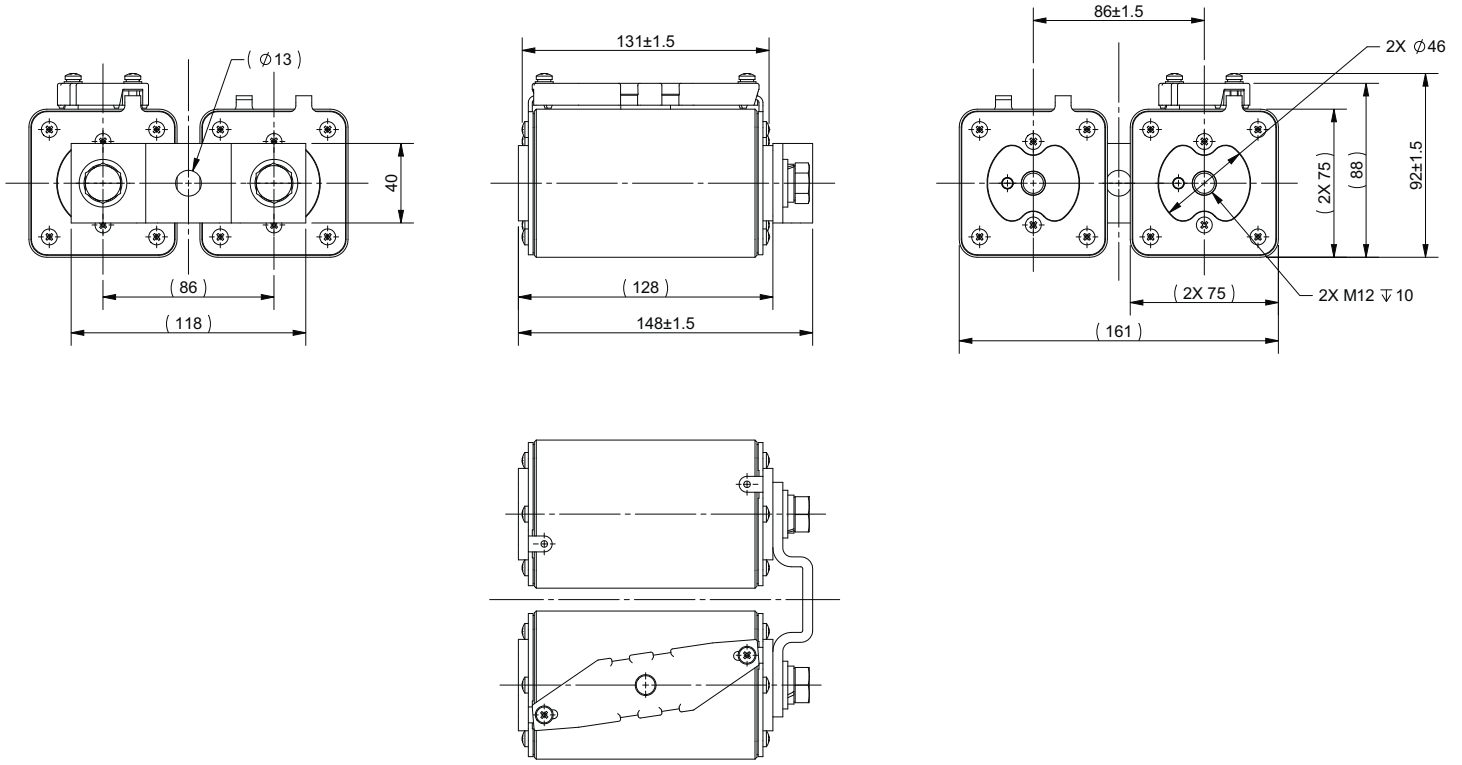
Tested Breaking Capacity:

Size 1* 85kA at 750Vdc, L/R 95ms
80kA at 950Vdc, L/R 40ms
Size 3 and 23
110kA at 750Vdc, L/R 40ms

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Dimensions - mm

170M2017 to 170M2021 - Parallel - Size 23 - 1000 to 1600A



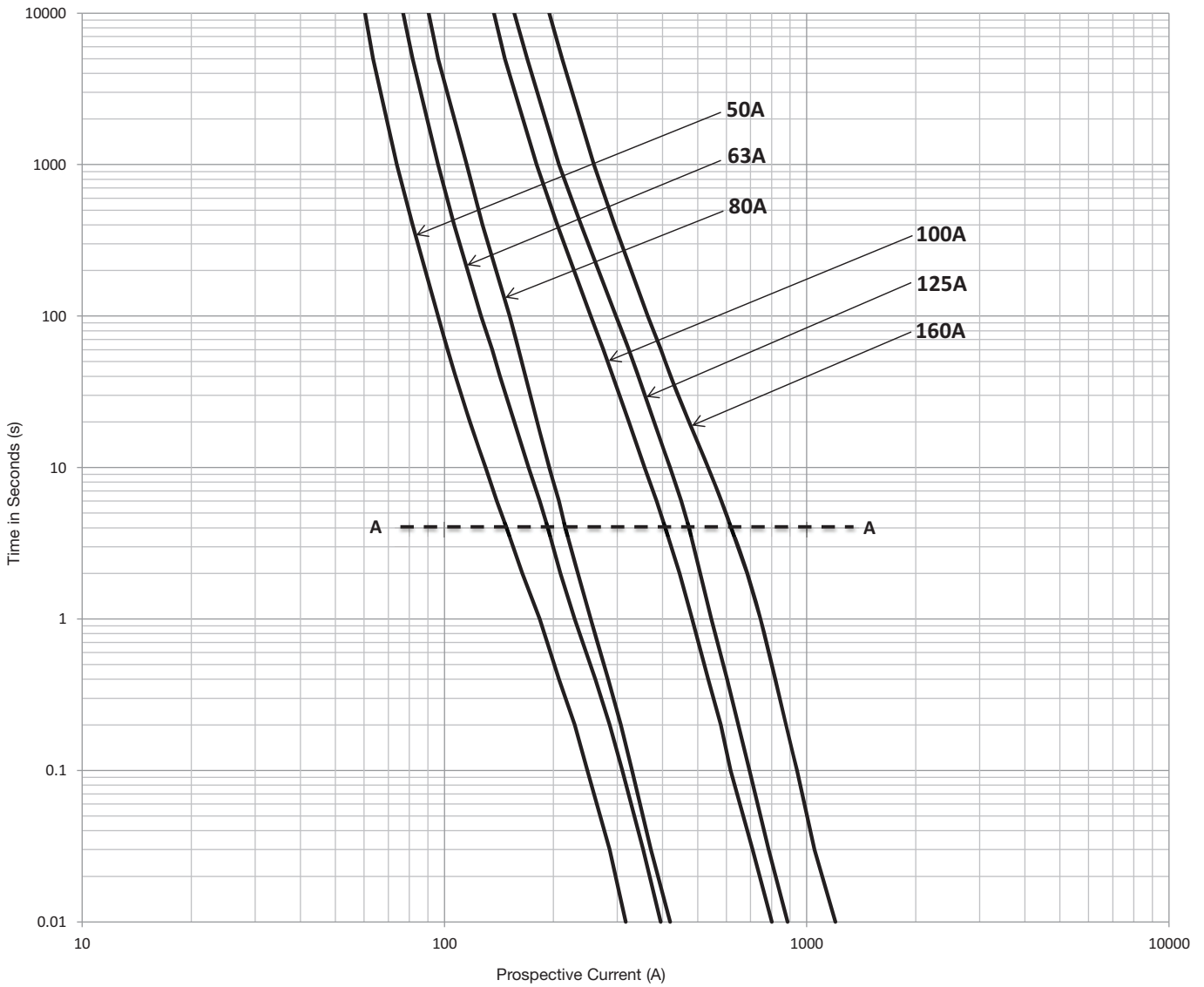
Technical Data

| Part Number | Fuse Link Type | Fuse Link Size | Current Rating (Amps) | Energy Integrals I ² t (A ² s) | | Watts Loss (W) | |
|-------------|----------------|----------------|-----------------------|--|-----------------|--------------------|----------------|
| | | | | Pre-Arcing | Total at 750Vdc | 0.8 I _n | I _n |
| 170M2000 | Flush End | 1* | 50 | 390 | 1300 | 15 | 27 |
| 170M2001 | | | 63 | 610 | 2050 | 18 | 35 |
| 170M2002 | | | 80 | 670 | 2250 | 19 | 37 |
| 170M2003 | | | 100 | 2450 | 8150 | 21 | 40 |
| 170M2004 | | | 125 | 2950 | 9800 | 24 | 47 |
| 170M2005 | | | 160 | 5500 | 18,250 | 29 | 56 |
| 170M2010 | Flush End | 3 | 450 | 65,700 | 272,300 | 46 | 87 |
| 170M2011 | | | 500 | 83,200 | 344,800 | 52 | 98 |
| 170M2012 | | | 550 | 136,700 | 566,500 | 67 | 126 |
| 170M2013 | | | 630 | 173,500 | 719,000 | 75 | 142 |
| 170M2014 | | | 700 | 268,000 | 1,110,500 | 78 | 156 |
| 170M2015 | | | 750 | 307,600 | 1,275,000 | 83 | 167 |
| 170M2016 | | | 800 | 349,900 | 1,450,000 | 89 | 178 |
| 170M2017 | Parallel | 23 | 1000 | 476,300 | 1,973,700 | 112 | 187 |
| 170M2018 | | | 1250 | 694,000 | 2,875,800 | 134 | 224 |
| 170M2019 | | | 1400 | 1,071,600 | 4,440,500 | 152 | 254 |
| 170M2020 | | | 1500 | 1,230,200 | 5,097,700 | 165 | 275 |
| 170M2021 | | | 1600 | 1,399,700 | 5,800,100 | 180 | 300 |

Size 1* = Size 1 Compact Size

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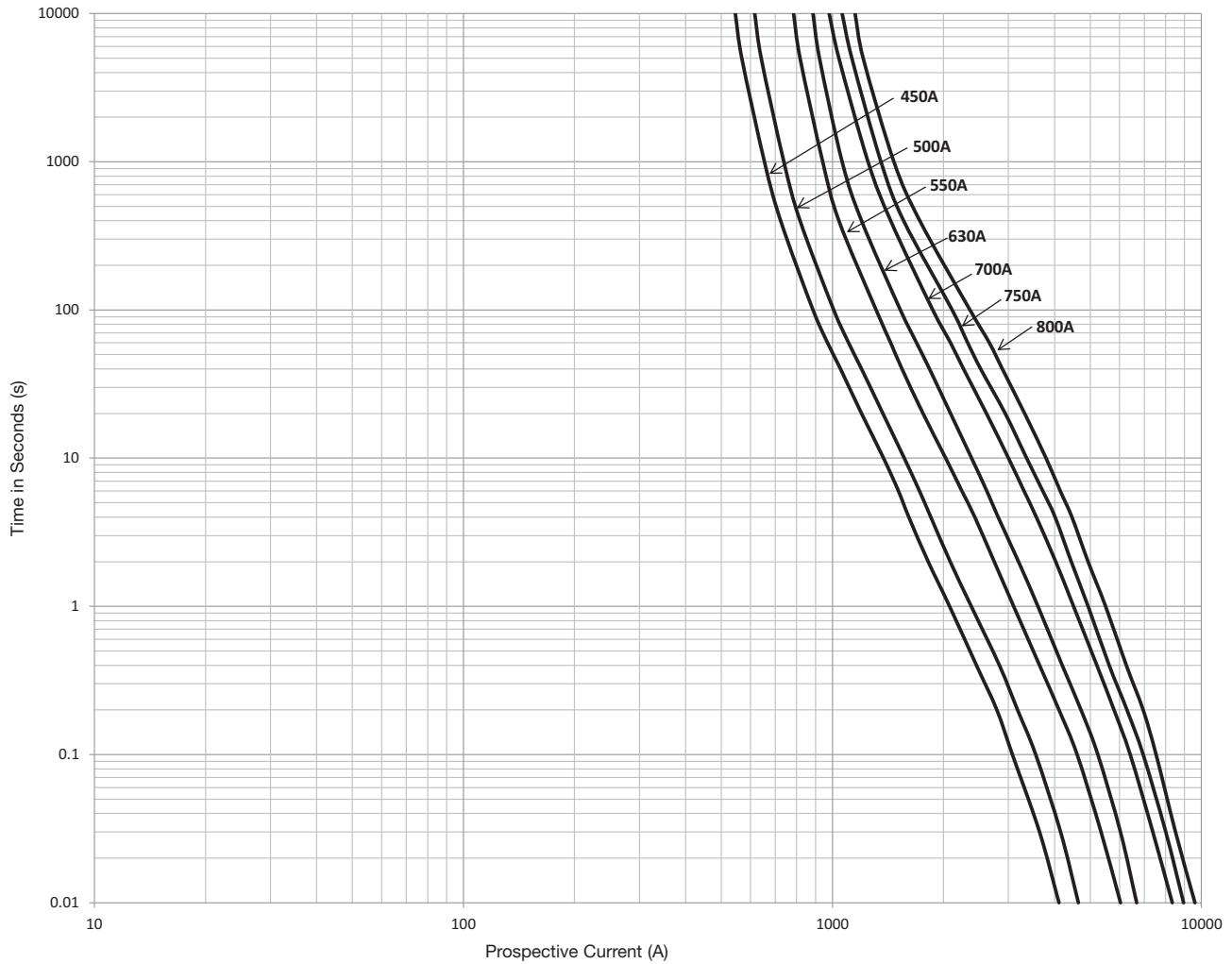
Time-Current Characteristics
170M2000 to 170M2005 - 50 to 160A - Flush End - Size 1*



Size 1* = Size 1 Compact Size

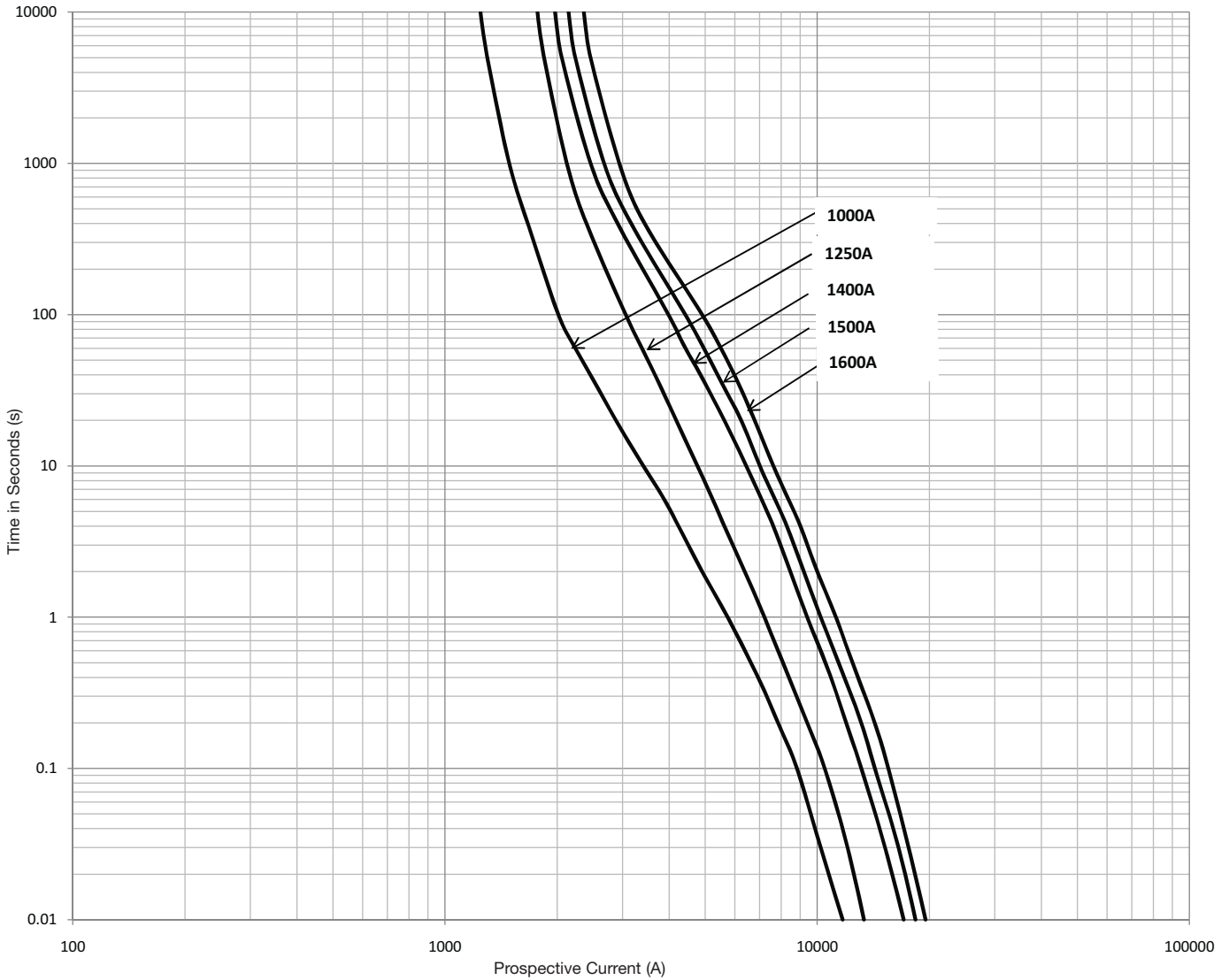
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Time-Current Characteristics
170M2010 to 170M2016 - 450 to 800A - Flush End - Size 3



Size 1*, 3 and 23 Square Body High Speed Traction Fuse Links for Third Rail Applications
50A to 1600A, 750Vdc

Time-Current Characteristics
170M2017 to 170M2021 - 1000 to 1600A - Parallel - Size 23



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