

# Specifications

## Eaton 170M6083

Fuse-link, high speed, 500 A, AC 690 V, DIN 3, 75 x 89 x 150 mm, gR, DIN, IEC, single indicator

### General specifications

|                                 |                                                         |
|---------------------------------|---------------------------------------------------------|
| <b>PRODUCT NAME</b>             | Eaton Bussmann series<br>high speed square body<br>fuse |
| <b>CATALOG NUMBER</b>           | 170M6083                                                |
| <b>MODEL CODE</b>               | FUSE 500A 690V DIN 3 GR                                 |
| <b>UPC</b>                      | 051712309677                                            |
| <b>EAN</b>                      | 5996516017616                                           |
| <b>PRODUCT<br/>LENGTH/DEPTH</b> | 168 mm                                                  |
| <b>PRODUCT HEIGHT</b>           | 76 mm                                                   |
| <b>PRODUCT WIDTH</b>            | 95 mm                                                   |
| <b>PRODUCT WEIGHT</b>           | 1485 g                                                  |
| <b>COMPLIANCES</b>              | CE<br>RoHS Compliant<br>EAC                             |
| <b>CERTIFICATIONS</b>           | IEC 60269-4                                             |
| <b>GLOBAL CATALOG</b>           | 170M6083                                                |

## Product specifications

|                                             |                                                                            |
|---------------------------------------------|----------------------------------------------------------------------------|
| <b>AMPERAGE RATING</b>                      | 500 A                                                                      |
| <b>BREAKING CAPACITY</b>                    | 200 kA                                                                     |
| <b>FUSE INDICATOR</b>                       | Top fuse status indicator                                                  |
| <b>INSULATED METAL GRIPPING LUGS (IMGL)</b> | No                                                                         |
| <b>UTILIZATION CATEGORY</b>                 | aR (accompanied semiconductor protection)                                  |
| <b>VOLTAGE TYPE</b>                         | AC                                                                         |
| <b>FUSE SIZE</b>                            | 3                                                                          |
| <b>RATED VOLTAGE AC</b>                     | 690 V                                                                      |
| <b>CURRENT TYPE</b>                         | AC                                                                         |
| <b>CLASS</b>                                | Class gR                                                                   |
| <b>WATT LOSSES</b>                          | 67 W                                                                       |
| <b>FUSE SHAPE</b>                           | Square body, knife blade contacts                                          |
| <b>COLOR</b>                                | None                                                                       |
| <b>INTERRUPT RATING</b>                     | 200 kAIC                                                                   |
| <b>FITTED WITH:</b>                         | Type T Indicator for micro                                                 |
| <b>CONSTRUCTION SIZE</b>                    | 3                                                                          |
| <b>PACKAGING TYPE</b>                       | Standard                                                                   |
| <b>VOLTAGE RATING</b>                       | 690 V (IEC)                                                                |
| <b>TYPE</b>                                 | Fuse                                                                       |
| <b>APPLICATION</b>                          | Semiconductor, DC<br>Common bus, DC drives,<br>power converters/rectifiers |
| <b>FUSE TYPE</b>                            | DIN 43620<br>T indicator for micro<br>Bladed                               |
| <b>FUSE SYSTEM (ACCORDING TO IEC 60269)</b> | Other                                                                      |

## Resources

|                                |                                                                                                                                                                                               |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CATALOGS</b>                | <a href="#">eaton-bussmann-series-iec-high-speed-fuses-catalogue-ca135001en-en-gb.pdf</a>                                                                                                     |
| <b>MANUALS AND USER GUIDES</b> | <a href="#">High speed fuses application guide</a>                                                                                                                                            |
| <b>MCAD MODEL</b>              | <a href="#">eaton-hs-square-body-fuses-mcad-3d-models-u1102.stp</a>                                                                                                                           |
| <b>PRODUCT NOTIFICATIONS</b>   | <a href="#">eaton-bussmann-series-170m-fuses-product-change-notice-pcn-bur-00193-en-us.pdf</a><br><a href="#">eaton-bussmann-series-ukca-marking-high-speed-fuses-pcn-bur-00167-en-gb.pdf</a> |

|                 |
|-----------------|
| PROJECT NAME:   |
| PROJECT NUMBER: |
| PREPARED BY:    |
| DATE:           |



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