

# Specifications

## Eaton 170M3745

Fuse-link, high speed, 250 A, AC 1250 V, compact size 1, 45 x 59 x 156 mm, aR, IEC, UL, single indicator

### General specifications

<b>PRODUCT NAME</b>	Eaton Bussmann series high speed square body fuse
<b>CATALOG NUMBER</b>	170M3745
<b>MODEL CODE</b>	FUSE 250A 1250V 1*FKE/115AR CU
<b>UPC</b>	051712257121
<b>EAN</b>	5027590515740
<b>PRODUCT LENGTH/DEPTH</b>	62 mm
<b>PRODUCT HEIGHT</b>	90 mm
<b>PRODUCT WIDTH</b>	152 mm
<b>PRODUCT WEIGHT</b>	869 g
<b>WARRANTY</b>	Not Applicable
<b>COMPLIANCES</b>	CE Marked RoHS Compliant
<b>CERTIFICATIONS</b>	IEC Rated UL Recognized CSA Certified
<b>GLOBAL CATALOG</b>	170M3745



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## Product specifications

<b>AMPERAGE RATING</b>	250 A
<b>BREAKING CAPACITY</b>	100 kA
<b>FUSE INDICATOR</b>	Centre fuse status indicator
<b>INSULATED METAL GRIPPING LUGS (IMGL)</b>	No
<b>UTILIZATION CATEGORY</b>	aR (accompanied semiconductor protection)
<b>VOLTAGE TYPE</b>	AC/DC
<b>FUSE SIZE</b>	1*
<b>RATED VOLTAGE AC</b>	1250 V
<b>CENTER-TO-CENTER DISTANCE OF CONNECTIONS</b>	116 mm
<b>CURRENT TYPE</b>	AC
<b>MOUNTING DIMENSION</b>	M10
<b>CLASS</b>	Class aR
<b>CLEARING (I2T)</b>	54500 at 1000 V, 73000 at 1250 V
<b>WATT LOSSES</b>	55 W
<b>FUSE SHAPE</b>	Square body, center bolted tags
<b>PRE ARC (I2T)</b>	9200
<b>COLOR</b>	None
<b>INTERRUPT RATING</b>	100 kAIC
<b>FITTED WITH:</b>	Type K Indicator for micro
<b>CONSTRUCTION SIZE</b>	Other
<b>PACKAGING TYPE</b>	Standard
<b>VOLTAGE RATING</b>	1250 V
<b>TYPE</b>	Fuse
<b>APPLICATION</b>	Semiconductor, DC Common bus, DC drives, power converters/rectifiers
<b>FUSE TYPE</b>	US Style FKE/115 Type K indicator for micro Bolted tag
<b>FUSE SYSTEM (ACCORDING TO IEC 60269)</b>	Other

## Resources

[eaton-bussmann-series-iec-high-speed-fuses-catalogue-ca135001en-en-gb.pdf](#)

### CATALOGS

[Bussmann series complete full line catalog no. 1007](#)

[170M3745-Eaton Bussmann series high speed square body fuse](#)

### DECLARATIONS OF CONFORMITY

[UKCA Fuse-links for the protection of semiconductor devices, sz1\\* up to 630A](#)

[CE Fuse-links for the protection of semiconductor devices, sz1\\* up to 630A](#)

### MANUALS AND USER GUIDES

[High speed fuses application guide](#)

### MCAD MODEL

[eaton-hs-square-body-fuses-mcad-3d-models-u0605.stp](#)

### PRODUCT NOTIFICATIONS

[eaton-bussmann-series-ukca-marking-high-speed-fuses-pcn-bur-00167-en-gb.pdf](#)

[eaton-bussmann-series-170m-fuses-product-change-notice-pcn-bur-00193-en-us.pdf](#)

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**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

**DATE:**

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