

Specifications



Photo is representative

Eaton 211806

Eaton Moeller series xEffect - AZ MCB.
Miniature circuit breaker (MCB) AZ, 3 pole,
Tripping characteristic: C, Rated current In:
100 A

General specifications

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| PRODUCT NAME | Eaton Moeller series xEffect - AZ MCB |
| CATALOG NUMBER | 211806 |
| MODEL CODE | AZ-3-C100 |
| EAN | 4015082118068 |
| PRODUCT LENGTH/DEPTH | 90 mm |
| PRODUCT HEIGHT | 75 mm |
| PRODUCT WIDTH | 81 mm |
| PRODUCT WEIGHT | 0.69 kg |
| COMPLIANCES | RoHS conform |
| CERTIFICATIONS | IEC/EN 60947-2 EN45545-2 IEC 61373 |
| GLOBAL CATALOG | 211806 |



Powering Business Worldwide

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| 10.3 DEGREE OF PROTECTION OF ASSEMBLIES | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.4 CLEARANCES AND CREEPAGE DISTANCES | Meets the product standard's requirements. |
| 10.5 PROTECTION AGAINST ELECTRIC SHOCK | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS | Is the panel builder's responsibility. |
| 10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS | Is the panel builder's responsibility. |
| 10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH | Is the panel builder's responsibility. |
| 10.9.3 IMPULSE WITHSTAND VOLTAGE | Is the panel builder's responsibility. |
| 10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL | Is the panel builder's responsibility. |
| FRAME | 45 mm |
| POLLUTION DEGREE | 2 |
| MOUNTING METHOD | Top-hat rail IEC/EN 60715 |
| DEGREE OF PROTECTION | IP20 IP40 (when fitted) |
| EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT | 27.4 W 27.3 W |
| RATED IMPULSE WITHSTAND VOLTAGE (UIMP) | 4 kV |
| ADMISSIBLE BACK-UP FUSE - MAX | 200 A gL/gG |
| TERMINAL PROTECTION | Finger and hand touch safe, DGUV VS3, EN 50274 |
| TERMINALS (TOP AND BOTTOM) | Lift terminals |
| TRIPPING CHARACTERISTIC | C |
| AMBIENT OPERATING TEMPERATURE - MAX | 55 °C |
| AMBIENT OPERATING TEMPERATURE - MIN | -25 °C |
| BUILT-IN DEPTH | 75 mm |
| CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) | 50 mm ² |

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| INSTRUCTIONS | |
| MCAD MODEL | DA-CD-az_3p DA-CS-az_3p |
| PEP ECO-PASSPORT | eaton-non-selective-universal-mcb-pep-eato-00259-v0101-en.pdf |
| WIRING DIAGRAMS | eaton-xpole-mmc4-6-m-mcb-wiring-diagram-005.jpg eaton-mcb-xeffect-faz-wiring-diagram-003.eps |

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| - MAX | |
| CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MIN | 2.5 mm ² |
| CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MAX | 50 mm ² |
| CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MIN | 2.5 mm ² |
| CURRENT LIMITING CLASS | 3 |
| ENCLOSURE WIDTH | 90 mm |
| FREQUENCY RATING - MAX | 60 Hz |
| FREQUENCY RATING - MIN | 50 Hz |
| HEAT DISSIPATION CAPACITY | 0 W |
| HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT | 9.1 W |
| DIRECTION OF INCOMING SUPPLY | As required |
| WIDTH IN NUMBER OF MODULAR SPACINGS | 4.5 |
| VOLTAGE RATING AT DC | 60 V DC (per pole) |
| VOLTAGE TYPE | AC |
| OVERVOLTAGE CATEGORY | III |
| NUMBER OF POLES | Three-pole |
| LIFESPAN, ELECTRICAL | 10000 operations |
| RELEASE CHARACTERISTIC | C |
| TYPE | <ul style="list-style-type: none"> • AZ • Miniature circuit breaker |
| SPECIAL FEATURES | Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity |
| APPLICATION | <ul style="list-style-type: none"> • Switchgear for industrial and advanced commercial |

- applications
- xEffect - Switchgear for industrial and advanced commercial applications

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| MOUNTING WIDTH | 27 mm |
| SELECTIVITY CLASS | 3 |
| MOUNTING WIDTH PER POLE | 27 mm |
| NUMBER OF POLES (PROTECTED) | 3 |
| NUMBER OF POLES (TOTAL) | 3 |
| OPERATIONAL SWITCHING CAPACITY | 20 kA |
| RATED INSULATION VOLTAGE (UI) | 440 V |
| RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN) | 100 A |
| RATED OPERATIONAL VOLTAGE (UE) - MAX | 400 V |
| RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC/EN 60898-1) - ICN AT 230 V | 0 kA |
| RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC/EN 60898-1)- ICN AT 400 V | 0 kA |
| RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC 60947-2)- ICU AT 230 V | 20 kA |
| RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC 60947-2)- ICU AT 400 V | 20 kA |
| RATED SWITCHING CAPACITY (IEC/EN 60947-2) | 20 kA |
| STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT | 0 W |
| TERMINAL CAPACITY (CONTROL CABLE) | 2.5 mm ² - 50 mm ² |

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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