

Specifications

Photo is representative

Eaton 278526

Eaton Moeller series xEffect - FAZ MCB. FAZ, 1-pole, tripping characteristic: B, rated current In: 3.5 A

General specifications

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| PRODUCT NAME | Eaton Moeller series xEffect - FAZ MCB |
| CATALOG NUMBER | 278526 |
| MODEL CODE | FAZ-B3,5/1 |
| EAN | 4015082785260 |
| PRODUCT LENGTH/DEPTH | 80 mm |
| PRODUCT HEIGHT | 75.5 mm |
| PRODUCT WIDTH | 17.7 mm |
| PRODUCT WEIGHT | 0.112 kg |
| COMPLIANCES | UL CSA09 (with supplementary protector only) RoHS conform |
| CERTIFICATIONS | CSA-C22.2 No. 235 CSA (File No. 204453) CSA (Class No. 3215-30) UL (File No. E177451) North America (UL recognized, CSA certified) UL 1077 CE marking UL (Category Control Number QVNU2, QVNU8) IEC/EN 60947-2 IEC/EN 60898 EN45545-2 IEC 61373 |
| GLOBAL CATALOG | 278526 |



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Product specifications

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| USED WITH | Miniature circuit breaker FAZ |
| AMPERAGE RATING | 3.5 A |
| VOLTAGE RATING | 240 V AC / 415 V AC |
| FEATURES | Additional equipment possible |
| 10.10 TEMPERATURE RISE | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. |
| 10.11 SHORT-CIRCUIT RATING | Is the panel builder's responsibility. The specifications for the switchgear must be observed. |
| 10.12 ELECTROMAGNETIC COMPATIBILITY | Is the panel builder's responsibility. The specifications for the switchgear must be observed. |
| 10.13 MECHANICAL FUNCTION | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed. |
| 10.2.2 CORROSION RESISTANCE | Meets the product standard's requirements. |
| 10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES | Meets the product standard's requirements. |
| 10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT | Meets the product standard's requirements. |
| 10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS | Meets the product standard's requirements. |
| 10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION | Meets the product standard's requirements. |
| 10.2.5 LIFTING | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.2.6 MECHANICAL IMPACT | Does not apply, since the entire switchgear needs to |

Resources

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| CATALOGS | eaton-xeffect-industrial-switchgear-range-catalog-ca003002en-en-us.pdf |
| CHARACTERISTIC CURVE | eaton-xeffect-faz-mcb-characteristic-curve.jpg |
| DECLARATIONS OF CONFORMITY | DA-DC-03 FAZ-B-C-D |
| DRAWINGS | eaton-xeffect-faz-mcb-dimensions.jpg eaton-mcb-faz-xeffect-faz-3d-drawing.eps eaton-xeffect-faz-mcb-3d-drawing.jpg eaton-xeffect-faz-mcb-3d-drawing-008.jpg eaton-xeffect-faz-mcb-3d-drawing-007.jpg |
| ECAD MODEL | ETN.FAZ-B3,5_1.edz |
| INSTALLATION INSTRUCTIONS | eaton-rccb-rcbo-g9-il019140zu.pdf |
| MCAD MODEL | eaton-faz_mcb_1p-3d-model.stp eaton-faz_mcb_1p-drawing.dwg |
| PEP ECO-PASSPORT | EATO-00047-V01.01-EN |
| WIRING DIAGRAMS | eaton-xpole-mmc4-6-m-mcb-wiring-diagram-002.jpg eaton-mcb-xeffect-faz-wiring-diagram.eps |

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| | be evaluated. |
| 10.2.7 INSCRIPTIONS | Meets the product standard's requirements. |
| 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. |
| POLLUTION DEGREE | 2 |
| DEGREE OF PROTECTION | IP20 IP20 (IEC) UL/CSA Type: - |
| EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT | 2.5 W |
| RATED IMPULSE WITHSTAND VOLTAGE (UIMP) | 4 kV |
| BREAKING CAPACITY | 10 kA (UL1077) |
| TRIPPING CHARACTERISTIC | B |
| VOLTAGE RATING (UL CSA 13) | 277 V AC; 48 V DC |
| AMBIENT OPERATING TEMPERATURE - MAX | 75 °C |
| AMBIENT OPERATING TEMPERATURE - MIN | -25 °C |
| BUILT-IN DEPTH | 70.5 mm |
| CONNECTABLE | 25 mm ² |

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| CONDUCTOR CROSS SECTION (MULTI-WIRED) - MAX | |
| CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MIN | 1 mm ² |
| CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MAX | 25 mm ² |
| CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MIN | 1 mm ² |
| CURRENT LIMITING CLASS | 3 |
| FREQUENCY RATING - MAX | 60 Hz |
| FREQUENCY RATING - MIN | 50 Hz |
| HEAT DISSIPATION CAPACITY | 0 W |
| HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT | 0 W |
| VOLTAGE RATING (IEC/EN 60898-1) | 240 VAC |
| WIDTH IN NUMBER OF MODULAR SPACINGS | 1 |
| VOLTAGE RATING (UL) | 277 V |
| VOLTAGE TYPE | AC |
| OVERVOLTAGE CATEGORY | III |
| NUMBER OF POLES | Single-pole |
| RELEASE CHARACTERISTIC | B |
| TYPE | <ul style="list-style-type: none"> • FAZ • 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"> • Branch circuits, not as BCPD |

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

NUMBER OF POLES (PROTECTED) 1

NUMBER OF POLES (TOTAL) 1

OPERATIONAL VOLTAGE (IEC/EN 60947-2) - MAX 254 VAC

RATED INSULATION VOLTAGE (UI) 440 V

RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN) 3.5 A

RATED OPERATIONAL VOLTAGE (UE) - MAX 230 V

RATED SERVICE SHORT-CIRCUIT BREAKING CAPACITY (IEC/EN 60898-1) 7.5 kA

RATED SERVICE SHORT-CIRCUIT BREAKING CAPACITY (IEC/EN 60947-2) 7.5 kA

RATED SHORT-CIRCUIT BREAKING CAPACITY (EN 60898) AT 230 V 10 kA

RATED SHORT-CIRCUIT BREAKING CAPACITY (EN 60898) AT 400 V 10 kA

RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC 60947-2) AT 230 V 15 kA

RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC 60947-2) AT 400 V 15 kA

RATED SWITCHING CAPACITY (IEC/EN 60898-1) 10 kA

RATED SWITCHING CAPACITY (IEC/EN 60947-2) 15 kA

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| RATED SWITCHING CAPACITY (IEC/EN 60947-2) AT MAX VOLTAGE RATING | 10 kA |
| STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT | 0 W |
| POWER LOSS | 2.7 W |

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



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