

# Specifications

## Eaton 236743

Eaton Moeller series xPole - PXF RCCB.  
Residual current circuit-breaker, 16A, 2pole,  
500mA, type A

### General specifications

|                                 |  |
|---------------------------------|--|
| <b>PRODUCT NAME</b>             | Eaton Moeller series xPole<br>- PXF RCCB |
| <b>CATALOG NUMBER</b>           | 236743                                   |
| <b>EAN</b>                      | 4015082367435                            |
| <b>PRODUCT<br/>LENGTH/DEPTH</b> | 76 mm                                    |
| <b>PRODUCT HEIGHT</b>           | 80 mm                                    |
| <b>PRODUCT WIDTH</b>            | 35 mm                                    |
| <b>PRODUCT WEIGHT</b>           | 0.184 kg                                 |
| <b>COMPLIANCES</b>              | RoHS conform                             |
| <b>CERTIFICATIONS</b>           | IEC/EN 61008                             |
| <b>MODEL CODE</b>               | PXF-16/2/05-A                            |



*Powering Business Worldwide*

## Product specifications

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| <b>USED WITH</b>  | PXF  |
|   | Residual current circuit breakers  |
|   | Type A   |
|   | KLV-TC-2 276240 (Compact enclosure)  |
|   | Z-FW/LP 248296 (Remote control and automatic switching device)   |
|   | Z-RC/AK-2MU 285385 (sealing cover set)   |
| <b>AMPERAGE RATING</b>  | 16 A   |
| <b>VOLTAGE RATING</b>   | 230 V AC   |
| <b>FEATURES</b>   | Residual current circuit breaker<br>Additional equipment possible  |
| <b>ACCESSORIES REQUIRED</b>   | Z-HK 248432  |
| <b>10.10 TEMPERATURE RISE</b>   | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. |
| <b>10.11 SHORT-CIRCUIT RATING</b>   | Is the panel builder's responsibility. The specifications for the switchgear must be observed.                                   |
| <b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>  | Is the panel builder's responsibility. The specifications for the switchgear must be observed.                                   |
| <b>10.13 MECHANICAL FUNCTION</b>  | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.                         |
| <b>10.2.2 CORROSION RESISTANCE</b>  | Meets the product standard's requirements.   |
| <b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>                   | Meets the product standard's requirements.   |
| <b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b> | Meets the product standard's requirements.   |
| <b>10.2.3.3 RESIST. OF INSUL. MAT. TO</b>   | Meets the product standard's requirements.   |

## Resources

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| <b>DECLARATIONS OF CONFORMITY</b> | <a href="#">DA-DC-03_PXF</a>   |
| <b>ECAD MODEL</b>                 | <a href="#">DA-CE-ETN.PXF-16_2_05-A</a>                                      |
| <b>INSTALLATION INSTRUCTIONS</b>  | <a href="#">eaton-rccb-rcbo-g9-il019140zu.pdf</a>                            |
| <b>MCAD MODEL</b>                 | <a href="#">eaton-residual-current-circuit-breakers-3d-models-pfi-2p.stp</a> |
|                                   | <a href="#">eaton-residual-current-circuit-breakers-drawings-pfi-2p.dwg</a>  |

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| <b>ABNORMAL HEAT/FIRE<br/>BY INTERNAL ELECT.<br/>EFFECTS</b>            |   |
| <b>10.2.4 RESISTANCE TO<br/>ULTRA-VIOLET (UV)<br/>RADIATION</b>         | Meets the product<br>standard's requirements.                                       |
| <b>10.2.5 LIFTING</b>   | Does not apply, since the<br>entire switchgear needs to<br>be evaluated.            |
| <b>10.2.6 MECHANICAL<br/>IMPACT</b>                                     | Does not apply, since the<br>entire switchgear needs to<br>be evaluated.            |
| <b>10.2.7 INSCRIPTIONS</b>  | Meets the product<br>standard's requirements.                                       |
| <b>10.3 DEGREE OF<br/>PROTECTION OF<br/>ASSEMBLIES</b>                  | Does not apply, since the<br>entire switchgear needs to<br>be evaluated.            |
| <b>10.4 CLEARANCES AND<br/>CREEPAGE DISTANCES</b>                       | Meets the product<br>standard's requirements.                                       |
| <b>10.5 PROTECTION<br/>AGAINST ELECTRIC<br/>SHOCK</b>                   | Does not apply, since the<br>entire switchgear needs to<br>be evaluated.            |
| <b>10.6 INCORPORATION OF<br/>SWITCHING DEVICES AND<br/>COMPONENTS</b>   | Does not apply, since the<br>entire switchgear needs to<br>be evaluated.            |
| <b>10.7 INTERNAL<br/>ELECTRICAL CIRCUITS<br/>AND CONNECTIONS</b>        | Is the panel builder's<br>responsibility.   |
| <b>10.8 CONNECTIONS FOR<br/>EXTERNAL CONDUCTORS</b>                     | Is the panel builder's<br>responsibility.   |
| <b>10.9.2 POWER-<br/>FREQUENCY ELECTRIC<br/>STRENGTH</b>                | Is the panel builder's<br>responsibility.   |
| <b>10.9.3 IMPULSE<br/>WITHSTAND VOLTAGE</b>                             | Is the panel builder's<br>responsibility.   |
| <b>10.9.4 TESTING OF<br/>ENCLOSURES MADE OF<br/>INSULATING MATERIAL</b> | Is the panel builder's<br>responsibility.   |
| <b>FITTED WITH:</b>   | Interlocking device<br>IS/SPE-1TE 101911  |
| <b>FRAME</b>  | 45 mm   |
| <b>FREQUENCY RATING</b>   | 50 Hz   |
| <b>POLLUTION DEGREE</b>   | 2   |
| <b>MOUNTING METHOD</b>  | Quick attachment with 2<br>latch positions for DIN-rail<br>IEC/EN 60715<br>DIN rail |
| <b>CLIMATIC PROOFING</b>  | 25-55 °C / 90-95% relative<br>humidity according to IEC                             |

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|  | 60068-2  |
| <b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT</b>           | 2 W  |
| <b>RATED IMPULSE WITHSTAND VOLTAGE (UIMP)</b>                  | 4 kV   |
| <b>RATED SHORT-TIME WITHSTAND CURRENT (ICW)</b>                | 10 kA  |
| <b>BUILT-IN WIDTH (NUMBER OF UNITS)</b>                        | 35 mm (2 SU)                                   |
| <b>BUSBAR MATERIAL THICKNESS</b>                               | 0.8 mm - 2 mm                                  |
| <b>SHORT-CIRCUIT RATING</b>                                    | 63 A (max. admissible back-up fuse)            |
| <b>TERMINAL PROTECTION</b>                                     | Finger and hand touch safe, DGUV VS3, EN 50274 |
| <b>TERMINALS (TOP AND BOTTOM)</b>                              | Open mouthed/lift terminals                    |
| <b>TEST CIRCUIT RANGE</b>                                      | 184 V AC - 250 V AC                            |
| <b>AMBIENT OPERATING TEMPERATURE - MAX</b>                     | 55 °C  |
| <b>AMBIENT OPERATING TEMPERATURE - MIN</b>                     | -25 °C   |
| <b>BUILT-IN DEPTH</b>  | 70.5 mm  |
| <b>CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MAX</b> | 16 mm <sup>2</sup>                             |
| <b>CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MIN</b> | 1.5 mm <sup>2</sup>                            |
| <b>CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MAX</b>  | 35 mm <sup>2</sup>                             |
| <b>CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MIN</b>  | 1.5 mm <sup>2</sup>                            |
| <b>FAULT CURRENT RATING</b>                                    | 500 mA   |
| <b>HEAT DISSIPATION CAPACITY</b>                               | 0 W  |
| <b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT</b>            | 0 W  |

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| <b>PERMITTED STORAGE AND TRANSPORT TEMPERATURE - MAX</b> | 60 °C   |
| <b>PERMITTED STORAGE AND TRANSPORT TEMPERATURE - MIN</b> | -35 °C  |
| <b>LIFESPAN, MECHANICAL</b>                              | 20000 operations  |
| <b>DEGREE OF PROTECTION</b>                              | IP20, IP40 with suitable enclosure<br>IP20  |
| <b>IMPULSE WITHSTAND CURRENT</b>                         | Partly surge-proof 250 A  |
| <b>NUMBER OF POLES</b>                                   | Two-pole  |
| <b>LEAKAGE CURRENT TYPE</b>                              | A   |
| <b>LIFESPAN, ELECTRICAL</b>                              | 4000 operations   |
| <b>TYPE</b>  | <ul style="list-style-type: none"> <li>• PXF</li> <li>• Residual current circuit breakers</li> <li>• Type A</li> </ul>  |
| <b>SPECIAL FEATURES</b>                                  | <ul style="list-style-type: none"> <li>• Maximum operating temperature is 55 °C: Starting at 40 °C, the max. permissible continuous current decreases by 3% for every 1 °C</li> <li>• Tripping signal contact for subsequent installation Z-NHK 248434</li> </ul> |
| <b>APPLICATION</b>                                       | <ul style="list-style-type: none"> <li>• Switchgear for residential and commercial applications</li> <li>• xPole - Switchgear for residential and commercial applications</li> </ul>  |
| <b>SENSITIVITY TYPE</b>                                  | Pulse-current sensitive   |
| <b>RATED FAULT CURRENT - MAX</b>                         | 0.5 A   |
| <b>RATED FAULT CURRENT - MIN</b>                         | 0.5 A   |
| <b>RATED INSULATION</b>                                  | 440 V   |

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| <b>VOLTAGE (UI)</b>  |  |
| <b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b> | 16 A                                     |
| <b>RATED OPERATIONAL VOLTAGE (UE) - MAX</b>                          | 230 V                                    |
| <b>RATED RESIDUAL MAKING AND BREAKING CAPACITY</b>                   | 500 A                                    |
| <b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT</b>                | 0 W                                      |
| <b>SURGE CURRENT CAPACITY</b>  | 0.25 kA                                  |
| <b>WIDTH IN NUMBER OF MODULAR SPACINGS</b>                           | 2  |
| <b>VOLTAGE TYPE</b>  | AC                                       |
| <b>TERMINAL CAPACITY (SOLID WIRE)</b>                                | 1.5 mm <sup>2</sup> - 35 mm <sup>2</sup> |
| <b>TRIPPING TIME</b>   | Non-delayed                              |
| <b>RATED SHORT-CIRCUIT STRENGTH</b>                                  | 10 kA                                    |
| <b>TERMINAL CAPACITY (STRANDED CABLE)</b>                            | 16 mm <sup>2</sup> (2x)                  |
| <b>RAL-NUMBER</b>  | 7035                                     |
| <b>COLOR</b>   | Gray                                     |

|                        |
|------------------------|
| <b>PROJECT NAME:</b>   |
| <b>PROJECT NUMBER:</b> |
| <b>PREPARED BY:</b>    |
| <b>DATE:</b>           |



**Eaton Corporation plc**  
Eaton House  
30 Pembroke Road  
Dublin 4, Ireland  
Eaton.com

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