# Характеристики








## Eaton 286471

Eaton Moeller series xPole - PFL6/7 RCBO - residual-current circuit breaker with overcurrent protection. RCD/MCB, 40A, 30mA, MCB trip curve C, 1pole+N, RCCB trip type: AC, PFL6

### Загальні характеристики

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| **PRODUCT NAME** | Eaton Moeller series xPole - PFL6/7 RCBO - residual-current circuit breaker with overcurrent protection |
| **CATALOG NUMBER** | 286471 |
| **EAN** | 4015082864712 |
| **PRODUCT LENGTH/DEPTH** | 86 mm |
| **PRODUCT HEIGHT** | 75 mm |
| **PRODUCT WIDTH** | 37 mm |
| **PRODUCT WEIGHT** | 0.225 kg |
| **COMPLIANCES** | CE Marked<br>RoHS conform |
| **CERTIFICATIONS** | CE |
| **MODEL CODE** | PFL6-40/1N/C/003 |

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## Додаткова інформація

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| **CURRENT LIMITING CLASS** | 3 |
| **FEATURES** | Concurrently switching N-neutral |

## Програма доставки

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| **AMPERAGE RATING** | 40 A |
| **APPLICATION** | Switchgear for residential and commercial applications |
| **BASIC FUNCTION** | Combined RCD/MCB devices |
| **FAULT CURRENT RATING** | 0.03 A |
| **NUMBER OF POLES** | Single-pole + N |
| **NUMBER OF POLES (PROTECTED)** | 1 |
| **NUMBER OF POLES (TOTAL)** | 2 |
| **RATED CURRENT** | 40 A |
| **RELEASE CHARACTERISTIC** | C |
| **TYPE** | RCBO |

## Перевірка відповідності проектним вимогам згідно зі стандартом IEC/EN 61439

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| **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 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** | Meets the product |

## Перевірка відповідності проектним вимогам згідно зі стандартом IEC/EN 61439 — технічні дані

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| **AMBIENT OPERATING TEMPERATURE - MAX** | 40 °C |
| **AMBIENT OPERATING TEMPERATURE - MIN** | -25 °C |
| **EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT** | 9.4 W |
| **HEAT DISSIPATION CAPACITY** | 0 W |
| **HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT** | 0 W |
| **RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)** | 40 A |
| **STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT** | 0 W |

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| **CREEPAGE DISTANCES** | 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. |

## Technical data - electrical

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| **DISCONNECTION CHARACTERISTIC** | Undelayed |
| **FREQUENCY RATING** | 50 Hz |
| **LEAKAGE CURRENT TYPE** | AC |
| **POLLUTION DEGREE** | 2 |
| **RATED IMPULSE WITHSTAND VOLTAGE (UIMP)** | 4 kV |
| **RATED INSULATION VOLTAGE (UI)** | 440 V |
| **RATED OPERATIONAL VOLTAGE (UE) - MAX** | 230 V |
| **RATED SHORT-CIRCUIT BREAKING CAPACITY (EN 60947-2)** | 0 kA |
| **RATED SHORT-CIRCUIT BREAKING CAPACITY (EN 61009-1)** | 6 kA |
| **RATED SHORT-CIRCUIT BREAKING CAPACITY (EN 61009)** | 6 kA |
| **SURGE CURRENT CAPACITY** | 0.25 kA |
| **VOLTAGE RATING** | 230 V |
| **VOLTAGE TYPE** | AC |

## Technical data - mechanical

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| **BUILT-IN DEPTH** | 69.5 mm |
| **CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MAX** | 25 $mm^2$ |
| **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 $mm^2$ |
| **DEGREE OF PROTECTION** | IP20 |
| **MOUNTING METHOD** | DIN rail |
| **WIDTH IN NUMBER OF MODULAR SPACINGS** | 2 |

| Ресурси | |
|---|---|
| ІНСТРУКЦІЇ ЩОДО ВСТАНОВЛЕННЯ | eaton-mcb-rccb-rcbo-g9-il019140zu.pdf |
| КАТАЛОГИ | eaton-xpole-pfl7-rcbo-catalog-ca019045en-en-us.pdf<br>eaton-xpole-pfl6-rcbo-catalog-ca019046en-en-us.pdf |

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| **НАЗВА ПРОЕКТУ:** | |
| **НОМЕР ПРОЕКТУ:** | |
| **ПІДГОТУВАВ:** | |
| **ДАТА:** | |

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