

# Specyfikacje



Zdjęcie jest reprezentatywne

## Eaton 286512

Eaton Moeller series xPole - PF6/7 RCCB.  
PF6, 4 pole, I<sub>n</sub>: 63 A, I<sub>cn</sub>: 6 kA, I<sub>ΔN</sub>: 0.03 A,  
Type AC, AC current sensitive, Partly surge-  
proof 250 A, residential and commercial

### General specifications

<b>PRODUCT NAME</b>	Eaton Moeller series xPole - PF6/7 RCCB
<b>CATALOG NUMBER</b>	286512
<b>EAN</b>	4015082865122
<b>PRODUCT LENGTH/DEPTH</b>	76 mm
<b>PRODUCT HEIGHT</b>	80 mm
<b>PRODUCT WIDTH</b>	70 mm
<b>PRODUCT WEIGHT</b>	0.32 kg
<b>COMPLIANCES</b>	RoHS conform
<b>CERTIFICATIONS</b>	IEC/EN 61008
<b>MODEL CODE</b>	PF6-63/4/003



Powering Business Worldwide

## Dostawa

### APPLICATION

- Residual current circuit breaker for residential and commercial applications
- xPole - Switchgear for residential and commercial applications

NUMBER OF POLES	Four-pole
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TRIPPING TIME	Non-delayed
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AMPERAGE RATING	63 A
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RATED SHORT-CIRCUIT STRENGTH	6 kA
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FAULT CURRENT RATING	30 mA
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SENSITIVITY TYPE	AC current sensitive
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IMPULSE WITHSTAND CURRENT	Partly surge-proof 250 A
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### TYPE

- PF6
- Residual current circuit breakers
- Type AC

## Elektryczne dane techniczne

VOLTAGE RATING	230 V AC / 400 V AC
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RATED OPERATIONAL VOLTAGE (UE) - MAX	400 V
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RATED INSULATION VOLTAGE (UI)	440 V
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RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	4 kV
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RATED FAULT CURRENT - MIN	0.03 A
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RATED FAULT CURRENT - MAX	0.03 A
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FREQUENCY RATING	50 Hz
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SHORT-CIRCUIT RATING	63 A (max. admissible back-up fuse)
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LEAKAGE CURRENT TYPE	AC
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RATED RESIDUAL MAKING AND BREAKING CAPACITY	630 A
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ADMISSIBLE BACK-UP FUSE OVERLOAD - MAX	40 A gG/gL
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RATED SHORT-TIME WITHSTAND CURRENT (ICW)	6 kA
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SURGE CURRENT CAPACITY	0.25 kA
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TEST CIRCUIT RANGE	184 V AC - 440 V AC
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POLLUTION DEGREE	2
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LIFESPAN, ELECTRICAL	4000 operations
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## Mechaniczne dane techniczne

FRAME	45 mm
WIDTH IN NUMBER OF MODULAR SPACINGS	4
BUILT-IN WIDTH (NUMBER OF UNITS)	70 mm (4 SU)
BUILT-IN DEPTH	69.5 mm
MOUNTING METHOD	Quick attachment with 2 latch positions for DIN-rail IEC/EN 60715 DIN rail
DEGREE OF PROTECTION	IP20, IP40 with suitable enclosure IP20
TERMINALS (TOP AND BOTTOM)	Open mouthed/lift terminals
TERMINAL CAPACITY (SOLID WIRE)	1.5 mm <sup>2</sup> - 35 mm <sup>2</sup>
CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MIN	1.5 mm <sup>2</sup>
CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MAX	35 mm <sup>2</sup>
TERMINAL CAPACITY (STRANDED CABLE)	16 mm <sup>2</sup> (2x)
CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MIN	1.5 mm <sup>2</sup>
CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MAX	16 mm <sup>2</sup>
TERMINAL PROTECTION	Finger and hand touch safe, DGUV VS3, EN 50274
BUSBAR MATERIAL THICKNESS	0.8 mm - 2 mm
LIFESPAN, MECHANICAL	20000 operations
PERMITTED STORAGE AND TRANSPORT TEMPERATURE - MIN	-35 °C
PERMITTED STORAGE AND TRANSPORT TEMPERATURE - MAX	60 °C
CLIMATIC PROOFING	25-55 °C / 90-95% relative

## Weryfikacja projektu zgodnie z IEC/EN 61439 - dane techniczne

RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	63 A
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT	0 W
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT	13.4 W
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT	0 W
HEAT DISSIPATION CAPACITY	0 W
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
AMBIENT OPERATING TEMPERATURE - MAX	60 °C

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humidity according to IEC  
60068-2

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## Weryfikacja projektu zgodnie z IEC/EN 61439

**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 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** Is the panel builder's

## Dodatkowe informacje

**ACCESSORIES REQUIRED** Z-HK 248432

**FEATURES** Residual current circuit breaker  
Additional equipment possible

**FITTED WITH:** Interlocking device  
IS/SPE-1TE 101911

**SPECIAL FEATURES**

- Maximum operating temperature is 60 °C: Starting at 40 °C, the max. permissible continuous current decreases by 1.8% for every 1 °C
- Tripping signal contact for subsequent installation Z-NHK 248434

**USED WITH** KLV-TC-4 276241 (Compact enclosure)  
Z-FW/LP 248296 (Remote control and automatic switching device)  
Z-RC/AK-4TE 101062 (sealing cover set)

<b>ENCLOSURES MADE OF INSULATING MATERIAL</b>	responsibility.
<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.

## Do pobrania

**DEKLARACJE ZGODNOŚCI** [eaton-rccb-declaration-of-conformity-eu250102en.pdf](#)

**INSTRUKCJE MONTAŻU** [eaton-rccb-rcto-g9-il019140zu.pdf](#)

**KATALOGI** [eaton-xpole-pf7-rccb-catalog-ca019032en-en-us.pdf](#)  
[eaton-xpole-pf6-rccb-catalog-ca019034en-en-us.pdf](#)

**MODELE MCAD** [eaton-residual-current-circuit-breakers-drawings-pfi-4p.dwg](#)  
[eaton-residual-current-circuit-breakers-3d-models-pfi-4p.stp](#)

**PEP ECO-PASSPORT** [eaton-residual-current-circuit-breakers-pep-eato-00111-v0101-en.pdf](#)

**RYSUNKI** [eaton-circuit-breaker-xeffect-frcmm-rccb-dimensions.jpg](#)  
[eaton-xpole-pf67-rccb-3d-drawing.jpg](#)

**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

**DATA:**



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