

Specyfikacje



Zdjęcie jest reprezentatywne

Eaton 286505

Eaton Moeller series xPole - PF6/7 RCCB.
PF6, 4 pole, In: 25 A, Icn: 6 kA, IDN: 0.1 A,
Type AC, AC current sensitive, Partly surge-
proof 250 A, residential and commercial

General specifications

PRODUCT NAME	Eaton Moeller series xPole - PF6/7 RCCB
CATALOG NUMBER	286505
EAN	4015082865054
PRODUCT LENGTH/DEPTH	76 mm
PRODUCT HEIGHT	80 mm
PRODUCT WIDTH	70 mm
PRODUCT WEIGHT	0.32 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	IEC/EN 61008
MODEL CODE	PF6-25/4/01



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	25 A
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RATED SHORT-CIRCUIT STRENGTH	6 kA
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FAULT CURRENT RATING	100 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	0.1 A
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RATED FAULT CURRENT - MAX	0.1 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	500 A
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ADMISSIBLE BACK-UP FUSE OVERLOAD - MAX	25 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	DIN rail Quick attachment with 2 latch positions for DIN-rail IEC/EN 60715
DEGREE OF PROTECTION	IP20 IP20, IP40 with suitable enclosure
TERMINALS (TOP AND BOTTOM)	Open mouthed/lift terminals
TERMINAL CAPACITY (SOLID WIRE)	1.5 mm ² - 35 mm ²
CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MIN	1.5 mm ²
CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MAX	35 mm ²
TERMINAL CAPACITY (STRANDED CABLE)	16 mm ² (2x)
CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MIN	1.5 mm ²
CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MAX	16 mm ²
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)	25 A
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT	0 W
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT	2.8 W
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT	0 W
HEAT DISSIPATION CAPACITY	0 W
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
AMBIENT OPERATING TEMPERATURE - MAX	55 °C

humidity according to IEC
60068-2

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: IS/SPE-1TE 101911
Interlocking device

SPECIAL FEATURES

- Maximum operating temperature is 55 °C: Starting at 40 °C, the max. permissible continuous current decreases by 3% 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) PF6
Residual current circuit breakers
Type AC
KLV-TC-4 276241 (Compact enclosure)
Z-FW/LP 248296 (Remote control and automatic switching device)
Z-RC/AK-4TE 101062 (sealing cover set)

ENCLOSURES MADE OF INSULATING MATERIAL	responsibility.
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.

Do pobrania

DEKLARACJE ZGODNOŚCI	eaton-rccb-declaration-of-conformity-eu250102en.pdf
INSTRUKCJE MONTAŻU	eaton-rccb-rcbo-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
RYSUNKI	eaton-xpole-pf67-rccb-3d-drawing.jpg eaton-circuit-breaker-xeffect-frcmm-rccb-dimensions.jpg

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATA:



Eaton Corporation plc

Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

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