

Specificații



Eaton 286508

Eaton Moeller series xPole - PF6/7 RCCB.
PF6, 4 pole, I_n : 40 A, I_{cn} : 6 kA, $I_{\Delta N}$: 0.03 A,
Type AC, AC current sensitive, Partly surge-
proof 250 A, residential and commercial

Specificații generale

PRODUCT NAME	Eaton Moeller series xPole - PF6/7 RCCB
CATALOG NUMBER	286508
EAN	4015082865085
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	PF6-40/4/003



Powering Business Worldwide

Informații suplimentare

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 2.5% 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)

Programul de livrare

AMPERAGE RATING 40 A

APPLICATION

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

FAULT CURRENT RATING 30 mA

IMPULSE WITHSTAND CURRENT Partly surge-proof 250 A

NUMBER OF POLES Four-pole

RATED SHORT-CIRCUIT STRENGTH 6 kA

SENSITIVITY TYPE AC current sensitive

TRIPPING TIME Non-delayed

TYPE

- PF6
- Residual current circuit breakers
- Type AC

Verificarea proiectării conform IEC/EN 61439

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 CREEPAGE DISTANCES	Meets the product standard's requirements.

Verificarea designului conform cu IEC/EN 61439 - date tehnice

AMBIENT OPERATING TEMPERATURE - MAX	60 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT	13.1 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

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

ADMISSIBLE BACK-UP FUSE OVERLOAD - MAX	25 A gG/gL
FREQUENCY RATING	50 Hz
LEAKAGE CURRENT TYPE	AC
LIFESPAN, ELECTRICAL	4000 operations
POLLUTION DEGREE	2
RATED FAULT CURRENT - MAX	0.03 A
RATED FAULT CURRENT - MIN	0.03 A
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	4 kV
RATED INSULATION VOLTAGE (UI)	440 V
RATED OPERATIONAL VOLTAGE (UE) - MAX	400 V
RATED RESIDUAL MAKING AND BREAKING CAPACITY	500 A
RATED SHORT-TIME WITHSTAND CURRENT (ICW)	6 kA
SHORT-CIRCUIT RATING	63 A (max. admissible back-up fuse)
SURGE CURRENT CAPACITY	0.25 kA
TEST CIRCUIT RANGE	184 V AC - 440 V AC
VOLTAGE RATING	230 V AC / 400 V AC

Technical data - mechanical

BUILT-IN DEPTH	69.5 mm
BUILT-IN WIDTH (NUMBER OF UNITS)	70 mm (4 SU)
BUSBAR MATERIAL THICKNESS	0.8 mm - 2 mm
CLIMATIC PROOFING	25-55 °C / 90-95% relative humidity according to IEC 60068-2
CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MAX	16 mm ²
CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MIN	1.5 mm ²
CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MAX	35 mm ²
CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MIN	1.5 mm ²
DEGREE OF PROTECTION	IP20, IP40 with suitable enclosure IP20
FRAME	45 mm
LIFESPAN, MECHANICAL	20000 operations
MOUNTING METHOD	DIN rail Quick attachment with 2 latch positions for DIN-rail IEC/EN 60715
PERMITTED STORAGE AND TRANSPORT TEMPERATURE - MAX	60 °C
PERMITTED STORAGE AND TRANSPORT TEMPERATURE - MIN	-35 °C
TERMINAL CAPACITY (SOLID WIRE)	1.5 mm ² - 35 mm ²
TERMINAL CAPACITY (STRANDED CABLE)	16 mm ² (2x)
TERMINAL PROTECTION	Finger and hand touch safe, DGUV VS3, EN 50274
TERMINALS (TOP AND BOTTOM)	Open mouthed/lift terminals
WIDTH IN NUMBER OF MODULAR SPACINGS	4

Resurse

CATALOAGE	eaton-xpole-pf6-rccb-catalog-ca019034en-en-us.pdf eaton-xpole-pf7-rccb-catalog-ca019032en-en-us.pdf
DESENE	eaton-xpole-pf67-rccb-3d-drawing.jpg eaton-circuit-breaker-xeffect-frcmm-rccb-dimensions.jpg
INSTRUCȚIUNI DE INSTALARE	eaton-mcb-rccb-rcbo-g9-il019140zu.pdf

DENUMIREA PROIECTULUI:

NUMĂRUL PROIECTULUI:

PREGĂTIT DE:

DATA:



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

© 2026 Eaton. Toate drepturile rezervate

Urmăriți-ne pe rețelele de socializare pentru a obține cele mai noi informații despre produse și asistență.

