Specifications







Eaton 187361

Eaton Moeller series xPole - PFIM Type F RCCB. Residual current circuit breaker (RCCB), 63A, 4p, 300mA, type G/F

General specifications	
PRODUCT NAME	Eaton Moeller series xPole - PFIM Type F RCCB
CATALOG NUMBER	187361
MODEL CODE	PFIM-63/4/03-G/F
EAN	4015081824199
PRODUCT LENGTH/DEPTH	76 mm
PRODUCT HEIGHT	80 mm
PRODUCT WIDTH	70 mm
PRODUCT WEIGHT	0.373 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	IEC/EN 62423 IEC/EN 61008 ÖVE E 8601

Additional information

ACCESSORIES REQUIRED	Z-HK 248432
FEATURES	Additional equipment possible Residual current circuit breaker
FITTED WITH:	Interlocking device
FUNCTIONS	Short-time delayed tripping
SPECIAL FEATURES	• Current test marks as per inscription • 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-4MU 101062 (sealing cover set)

Delivery program

AMPERAGE RATING	63 A
APPLICATION	• Residual current circuit breaker for residential and commercial applications • xPole - Switchgear for residential and commercial applications
FAULT CURRENT RATING	300 mA
IMPULSE WITHSTAND CURRENT	Surge-proof 5 kA
NUMBER OF POLES	Four-pole
RATED SHORT-CIRCUIT STRENGTH	10 kA with back-up fuse
SENSITIVITY TYPE	Pulse-current sensitive - frequency composition (10 Hz, 50 Hz, 1000 Hz)
TRIPPING TIME	Short time-delayed 10 ms delayed
TYPE	• PFIM-F • Residual current circuit breakers • Type G/F (ÖVE E 8601)

Design verification as per 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.
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.

Design verification as per IEC/EN 61439 - technical data

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

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	40 A gG/gL
FREQUENCY RATING	50 Hz
LEAKAGE CURRENT TYPE	Other
LIFESPAN, ELECTRICAL	4000 operations
POLLUTION DEGREE	2
RATED FAULT CURRENT - MAX	0.3 A
RATED FAULT CURRENT - MIN	0.3 A
RATED FAULT SWITCHING CAPACITY	630 A
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	4 kV
RATED INSULATION VOLTAGE (UI)	440 V
RATED OPERATIONAL VOLTAGE (UE) - MAX	230 V
RATED RESIDUAL MAKING AND BREAKING CAPACITY	630 A
RATED SHORT-TIME WITHSTAND CURRENT (ICW)	10 kA
SHORT-CIRCUIT RATING	63 A (max. admissible back-up fuse)
SURGE CURRENT CAPACITY	3 kA
TEST CIRCUIT RANGE	196 V AC - 456 V AC
VOLTAGE RATING	230 V AC / 400 V AC
VOLTAGE RATING (IEC/EN 60947-2)	230/400 V

Technical data - mechanical

BUILT-IN DEPTH	70.5 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 mm²
CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MIN	1.5 mm²
CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MAX	35 mm²
CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MIN	1.5 mm²
CONTACT POSITION INDICATOR COLOR	Red / green
DEGREE OF PROTECTION	IP20 IP20, IP40 with suitable enclosure
FRAME	45 mm
LIFESPAN, MECHANICAL	20000 operations
MOUNTING METHOD	Quick attachment with 2 latch positions for DIN-rail IEC/EN 60715 DIN rail
MOUNTING POSITION	As required
PERMITTED STORAGE AND TRANSPORT TEMPERATURE - MAX	60 °C
PERMITTED STORAGE AND TRANSPORT TEMPERATURE - MIN	-35 °C
TERMINAL CAPACITY (CABLE)	M5 (with cross-recessed screw as defined in EN ISO 4757-Z2, PZ2)
TERMINAL CAPACITY (SOLID WIRE)	1.5 mm² - 35 mm²
TERMINAL CAPACITY	16 mm² (2x)

(STRANDED CABLE)	
TERMINAL PROTECTION	Finger and hand touch safe, DGUV VS3, EN 50274
TERMINALS (TOP AND BOTTOM)	Open mouthed/lift terminals
TIGHTENING TORQUE	2 Nm - 2.4 Nm
WIDTH IN NUMBER OF MODULAR SPACINGS	4

Resources

APPLICATION NOTES	eaton-rcd-application-guide-br019003en-en-us.pdf
BROCHURES	eaton-xpole-residual-current-devices-type-f-brochure-br019005en-en-us.pdf
DECLARATIONS OF CONFORMITY	eaton-rccb-declaration-of-conformity-uk251422en.pdf eaton-rccb-declaration-of-conformity-eu250157en.pdf
ECAD MODEL	DA-CE-ETN.PFIM-63_4_03-G_F
INSTALLATION INSTRUCTIONS	IL019173ZU
MCAD MODEL	eaton-residual-current-circuit-breakers-3d-models-pfi-4p.stp
PEP ECO-PASSPORT	eaton-residual-current-circuit-breakers-pep-eato-00109-v0101-en.pdf

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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

Follow us on social media to get the latest product and support information.

© 2026 Eaton. All Rights Reserved.