

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

Specificații generale

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 RoHS conform
CERTIFICATIONS	CE
MODEL CODE	PFL6-40/1N/C/003

Informații suplimentare

CURRENT LIMITING CLASS

3

FEATURES

Concurrently switching N-neutral

Programul de livrare

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

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	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

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

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

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

Resurse

CATALOAGE	eaton-xpole-pfl7-rcbo-catalog-ca019045en-en-us.pdf eaton-xpole-pfl6-rcbo-catalog-ca019046en-en-us.pdf
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

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