

Specifications



Eaton 101248

Eaton Moeller series xPole - PLI MCB.
Miniature circuit breaker (MCB) with plug-in
terminal, 8 A, 1p, characteristic: B

General specifications

PRODUCT NAME	Eaton Moeller series xPole - PLI MCB
CATALOG NUMBER	101248
EAN	4015081011834
PRODUCT LENGTH/DEPTH	84 mm
PRODUCT HEIGHT	75.5 mm
PRODUCT WIDTH	17.5 mm
PRODUCT WEIGHT	0.108 kg
COMPLIANCES	RoHS conform
MODEL CODE	PLI-B8/1

Delivery program

APPLICATION

- Switchgear for residential and commercial applications
- xPole - Switchgear for residential and commercial applications

NUMBER OF POLES	Single-pole
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NUMBER OF POLES (TOTAL)	1
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NUMBER OF POLES (PROTECTED)	1
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TRIPPING CHARACTERISTIC	B
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RELEASE CHARACTERISTIC	B
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AMPERAGE RATING	8 A
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TYPE

- Miniature circuit breaker
- PLI

Technical data - electrical

VOLTAGE TYPE	AC
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RATED OPERATIONAL VOLTAGE (UE) - MAX	230 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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FREQUENCY RATING - MIN	50 Hz
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FREQUENCY RATING - MAX	60 Hz
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RATED SWITCHING CAPACITY (IEC/EN 60898-1)	10 kA
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RATED SHORT-CIRCUIT BREAKING CAPACITY (EN 60898) AT 230 V	10 kA
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RATED SHORT-CIRCUIT BREAKING CAPACITY (EN 60898) AT 400 V	10 kA
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RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC 60947-2) AT 230 V	0 kA
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RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC 60947-2) AT 400 V	0 kA
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OVERVOLTAGE CATEGORY	III
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POLLUTION DEGREE	2
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Technical data - mechanical

WIDTH IN NUMBER OF MODULAR SPACINGS	1
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BUILT-IN DEPTH	70.5 mm
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DEGREE OF PROTECTION	IP20
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CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MIN	1 mm ²
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CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MAX	25 mm ²
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CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MIN	1 mm ²
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CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MAX	25 mm ²
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Additional information

CURRENT LIMITING CLASS	3
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FEATURES	Additional equipment possible
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SPECIAL FEATURES	Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity
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USED WITH	PLI Miniature circuit breaker
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Design verification as per IEC/EN 61439 - technical data

RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	8 A
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HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT	0 W
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EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT	2.1 W
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STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT	0 W
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HEAT DISSIPATION CAPACITY	0 W
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AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
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AMBIENT OPERATING TEMPERATURE - MAX	75 °C
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Resources

[eaton-xpole-protective-devices-catalog-ca019014en-en-us.pdf](#)

CATALOGUES

[eaton-xpole-pli-mcb-catalog-ca019072en-en-us.pdf](#)

[eaton-xpole-accessories-ca019015en-en-us.pdf](#)

DECLARATIONS OF CONFORMITY

[DA-DC-03_PLI](#)

DRAWINGS

[eaton-xpole-pli-mcb-dimensions.jpg](#)

MCAD MODEL

[eaton-pli_mcb_1p-3d-model.stp](#)

[eaton-pli_mcb_1p-drawing.dwg](#)

PEP ECO-PASSPORT

[EATO-00048-V01.01-EN](#)

WIRING DIAGRAMS

[eaton-xpole-mmc4-6-m-mcb-wiring-diagram-002.jpg](#)

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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