

Specifications



Photo is representative

Eaton 264987

Eaton Moeller series xPole - PLS6/M
Miniature circuit breaker (MCB), 50 A, 4p,
characteristic: OV

General specifications

PRODUCT NAME	Eaton Moeller series xPole - PLS6/M MCB
CATALOG NUMBER	264987
MODEL CODE	PLSM-OV50/4
EAN	4015082649876
PRODUCT LENGTH/DEPTH	80 mm
PRODUCT HEIGHT	72 mm
PRODUCT WIDTH	70.4 mm
PRODUCT WEIGHT	0.48 kg
COMPLIANCES	RoHS conform

Additional information

CURRENT LIMITING CLASS	3
FEATURES	Additional equipment possible
SPECIAL FEATURES	Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity
USED WITH	PLSM Miniature circuit breaker

Design verification to IEC/EN 61439 - technical data

AMBIENT OPERATING TEMPERATURE - MAX	75 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
HEAT DISSIPATION CAPACITY	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT	0 W
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	50 A
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT	0 W

Delivery programme

AMPERAGE RATING	50 A
APPLICATION	- Switchgear for residential and commercial applications - xPole - Switchgear for residential and commercial applications
NUMBER OF POLES	Four-pole
NUMBER OF POLES (PROTECTED)	4
NUMBER OF POLES (TOTAL)	4
RELEASE CHARACTERISTIC	Other
TYPE	- Miniature circuit breaker - PLSM

Technical data - electrical

FREQUENCY RATING - MAX	60 Hz
FREQUENCY RATING - MIN	50 Hz
OVERVOLTAGE CATEGORY	III
POLLUTION DEGREE	2
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	4 kV
RATED INSULATION VOLTAGE (UI)	440 V
RATED OPERATIONAL VOLTAGE (UE) - MAX	400 V
RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC/EN 60898-1) - ICN AT 230 V	10 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC/EN 60898-1)- ICN AT 400 V	10 kA
VOLTAGE TYPE	AC

Technical data - mechanical

BUILT-IN DEPTH	70.5 mm
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CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - 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 (SOLID-CORE) - MAX	25 mm ²
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CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MIN	1 mm ²
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DEGREE OF PROTECTION	IP20
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WIDTH IN NUMBER OF MODULAR SPACINGS	4
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Resources

CATALOGUES	eaton-xpole-protective-devices-catalog-ca019014en-en-us.pdf
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DECLARATIONS OF CONFORMITY	eaton-mcb-declaration-of-conformity-eu251398en.pdf eaton-mcb-declaration-of-conformity-uk251442en.pdf
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ECAD MODEL	ETN.PLSM-OV50_4.edz
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INSTALLATION INSTRUCTIONS	eaton-mcb-rccb-rcbo-g9-il019140zu.pdf
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MCAD MODEL	eaton-non-selective-universal-mcb-mcad-3d-models-faz-xxx-4p.stp
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PEP ECO-PASSPORT	eaton-non-selective-universal-mcb-pep-eato-00046-v0102-en.pdf
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PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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