



Eaton 129649

Eaton Moeller series xPole (Style 5) - mMCT MCB. Circuit-breaker, 80 A, 1p, Type C characteristic

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PRODUCT NAME	Eaton Moeller series xPole (Style 5) - mMCT MCB
CATALOG NUMBER	129649
PRODUCT LENGTH/DEPTH	90 mm
PRODUCT HEIGHT	75 mm
PRODUCT WIDTH	27 mm
PRODUCT WEIGHT	0.234 kg
COMPLIANCES	RoHS conform



Powering Business Worldwide

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USED WITH	Miniature circuit breaker mMCT
AMPERAGE RATING	80 A
FEATURES	Additional equipment possible
ACCESSORIES REQUIRED	ZP-IHK 286052
FITTED WITH:	Z-IS/SPE-1TE 274418
FRAME	45 mm
POLLUTION DEGREE	2
LIFESPAN, MECHANICAL	20000 operations
MOUNTING METHOD	Quick attachment with 3 latch positions for top-hat rail IEC/EN 60715
DEGREE OF PROTECTION	IP20
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT	7.14 W 7.1 W
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	4 kV
BUSBAR MATERIAL THICKNESS	0.8 mm - 2 mm
TRIPPING CHARACTERISTIC	C
AMBIENT OPERATING TEMPERATURE - MAX	55 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
BUILT-IN DEPTH	75 mm
CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MAX	50 mm ²
CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MIN	2.5 mm ²
CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MAX	50 mm ²
CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MIN	2.5 mm ²
CURRENT LIMITING CLASS	3
FREQUENCY RATING - MAX	60 Hz

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CHARACTERISTIC CURVE	eaton-xpole-mmct-mcb-characteristic-curve.jpg
PEP ECO-PASSPORT	eaton-non-selective-universal-mcb-pep-eato-00259-v0101-en.pdf
□□□	eaton-xpole-mmct4-6-m-mcb-wiring-diagram-002.jpg
□□	eaton-xpole-mmct-mcb-dimensions.jpg eaton-xpole-mmct-mcb-3d-drawing.jpg eaton-xpole-mmct-mcb-3d-drawing-002.jpg

FREQUENCY RATING - MIN	50 Hz
HEAT DISSIPATION CAPACITY	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT	7.1 W
WIDTH IN NUMBER OF MODULAR SPACINGS	1.5
VOLTAGE TYPE	AC
OVERVOLTAGE CATEGORY	III
NUMBER OF POLES	Single-pole
LIFESPAN, ELECTRICAL	10000 operations
RELEASE CHARACTERISTIC	C

TYPE	<ul style="list-style-type: none"> • Miniature circuit breaker • mMCT
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SPECIAL FEATURES	<ul style="list-style-type: none"> • Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity • Tripping signal contact for subsequent installation ZP-NHK 248437
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APPLICATION	Switchgear for industrial and advanced commercial applications
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NUMBER OF POLES (PROTECTED)	1
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NUMBER OF POLES (TOTAL)	1
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RATED INSULATION VOLTAGE (UI)	440 V
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RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	80 A
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RATED OPERATIONAL VOLTAGE (UE) - MAX	400 V
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RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC 60947-2)- ICU AT 230 V	20 kA
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RATED SHORT-CIRCUIT	20 kA
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