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Eaton 278833

Eaton Moeller series xEffect - FAZ MCB. FAZ, 3-pole, tripping characteristic: B, rated current In: 1.5 A

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PRODUCT NAME	Eaton Moeller series xEffect - FAZ MCB
CATALOG NUMBER	278833
PRODUCT LENGTH/DEPTH	80 mm
PRODUCT HEIGHT	75.5 mm
PRODUCT WIDTH	54 mm
PRODUCT WEIGHT	0.339 kg
COMPLIANCES	UL CSA09 (with supplementary protector only) RoHS conform
CERTIFICATIONS	IEC/EN 60947-2 UL 1077 CE marking CSA-C22.2 No. 235 CSA (File No. 204453) CSA (Class No. 3215-30) IEC/EN 60898 UL (Category Control Number QVNU2, QVNU8) North America (UL recognized, CSA certified) UL (File No. E177451) EN45545-2 IEC 61373



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USED WITH	FAZ Miniature circuit breaker
AMPERAGE RATING	1.5 A
VOLTAGE RATING	240 V AC / 415 V AC
FEATURES	Additional equipment possible
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.

CHARACTERISTIC CURVE	<u>eaton-xeffect-faz-mcb-</u> <u>characteristic-curve.jpg</u>
000	eaton-xpole-mmc4-6-m- mcb-wiring-diagram- 005.jpg
	eaton-xeffect-faz-mcb- dimensions-003.jpg
00	eaton-mcb-faz-xeffect-faz- 3d-drawing-003.eps
	eaton-xeffect-faz-mcb-3d-drawing-008.jpg
	eaton-xeffect-faz-mcb-3d-drawing-007.jpg
	eaton-xeffect-faz-mcb-3d- drawing.jpg

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	ls the panel builder's responsibility.
10.9.2 POWER- FREQUENCY ELECTRIC STRENGTH	ls the panel builder's responsibility.
10.9.3 IMPULSE WITHSTAND VOLTAGE	ls the panel builder's responsibility.
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	ls the panel builder's responsibility.
POLLUTION DEGREE	2
	UL/CSA Type: -
DEGREE OF PROTECTION	IP20 IP20 (IEC)
EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT	IP20
EQUIPMENT HEAT DISSIPATION, CURRENT-	IP20 IP20 (IEC)
EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT RATED IMPULSE WITHSTAND VOLTAGE	IP20 IP20 (IEC) 6.9 W
EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	IP20 IP20 (IEC) 6.9 W
EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT RATED IMPULSE WITHSTAND VOLTAGE (UIMP) BREAKING CAPACITY TRIPPING	IP20 IP20 (IEC) 6.9 W 4 kV 10 kA (UL1077)
EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT RATED IMPULSE WITHSTAND VOLTAGE (UIMP) BREAKING CAPACITY TRIPPING CHARACTERISTIC VOLTAGE RATING (UL	IP20 (IEC) 6.9 W 4 kV 10 kA (UL1077) B
EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT RATED IMPULSE WITHSTAND VOLTAGE (UIMP) BREAKING CAPACITY TRIPPING CHARACTERISTIC VOLTAGE RATING (UL CSA 13) AMBIENT OPERATING	IP20 (IEC) 6.9 W 4 kV 10 kA (UL1077) B 480 Y/277 V AC
EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT RATED IMPULSE WITHSTAND VOLTAGE (UIMP) BREAKING CAPACITY TRIPPING CHARACTERISTIC VOLTAGE RATING (UL CSA 13) AMBIENT OPERATING TEMPERATURE - MAX AMBIENT OPERATING	IP20 IP20 (IEC) 6.9 W 4 kV 10 kA (UL1077) B 480 Y/277 V AC 75 °C
EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT RATED IMPULSE WITHSTAND VOLTAGE (UIMP) BREAKING CAPACITY TRIPPING CHARACTERISTIC VOLTAGE RATING (UL CSA 13) AMBIENT OPERATING TEMPERATURE - MAX AMBIENT OPERATING TEMPERATURE - MIN	IP20 (IEC) 6.9 W 4 kV 10 kA (UL1077) B 480 Y/277 V AC 75 °C -25 °C
EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT RATED IMPULSE WITHSTAND VOLTAGE (UIMP) BREAKING CAPACITY TRIPPING CHARACTERISTIC VOLTAGE RATING (UL CSA 13) AMBIENT OPERATING TEMPERATURE - MAX AMBIENT OPERATING TEMPERATURE - MIN BUILT-IN DEPTH CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED)	IP20 IP20 (IEC) 6.9 W 4 kV 10 kA (UL1077) B 480 Y/277 V AC 75 °C -25 °C 70.5 mm

CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE)- MAX CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE)- MIN CURRENT LIMITING CLASS FREQUENCY RATING - MAX FREQUENCY RATING - MIN HEAT DISSIPATION CAPACITY HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT VOLTAGE RATING (IEC/EN) 60898-1) WIDTH IN NUMBER OF MODULAR SPACINGS VOLTAGE RATING (UL) VOLTAGE TYPE AC OVERVOLTAGE CATEGORY NUMBER OF POLES RELEASE CHARACTERISTIC B Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity - Branch circuits, not as BCPD - Switchgear for industrial and advanced commercial applications - Effect - Switchgear for industrial and advanced commercial applications - Effect - Switchgear for industrial and advanced commercial applications - Effect - Switchgear for industrial and advanced commercial applications - Effect - Switchgear for industrial and advanced commercial applications - Effect - Switchgear for industrial and advanced commercial applications - Effect - Switchgear for industrial and advanced commercial applications - Effect - Switchgear for industrial and advanced commercial applications - Effect - Switchgear for industrial and advanced commercial applications - Effect - Switchgear for industrial and advanced commercial applications		
CONDUCTOR CROSS SECTION (SOLID-CORE)- MAX CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE)- MIN CURRENT LIMITING CLASS FREQUENCY RATING - MAX FREQUENCY RATING - MIN HEAT DISSIPATION CAPACITY HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT VOLTAGE RATING (IEC/EN 60898-1) VOLTAGE RATING (IEC/EN MODULAR SPACINGS VOLTAGE RATING (UL) VOLTAGE TYPE AC OVERVOLTAGE CATEGORY NUMBER OF POLES RELEASE CHARACTERISTIC B AMBIENT temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity APPLICATION APPLICATION APPLICATION APPLICATION CONNECTABLE A I mm² A	- MIN	
CONDUCTOR CROSS SECTION (SOLID-CORE) - MIN CURRENT LIMITING CLASS FREQUENCY RATING - 60 Hz FREQUENCY RATING - 50 Hz HEAT DISSIPATION O W HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT VOLTAGE RATING (IEC/EN 60898-1) WIDTH IN NUMBER OF MODULAR SPACINGS VOLTAGE RATING (UL) 480Y/277 V VOLTAGE TYPE AC OVERVOLTAGE CATEGORY NUMBER OF POLES Three-pole RELEASE CHARACTERISTIC SPECIAL FEATURES Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity APPLICATION APPLICATION APPLICATION A Hz 1 mm² 3 A Hz A	CONDUCTOR CROSS SECTION (SOLID-CORE) -	25 mm²
FREQUENCY RATING - MAX FREQUENCY RATING - MAX FREQUENCY RATING - MIN OW HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT VOLTAGE RATING (IEC/EN 60898-1) WIDTH IN NUMBER OF MODULAR SPACINGS VOLTAGE RATING (UL) 480Y/277 V VOLTAGE TYPE AC OVERVOLTAGE CATEGORY NUMBER OF POLES Three-pole RELEASE CHARACTERISTIC B TYPE	CONDUCTOR CROSS SECTION (SOLID-CORE) -	1 mm²
FREQUENCY RATING - MIN		3
HEAT DISSIPATION CAPACITY HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT VOLTAGE RATING (IEC/EN 60898-1) WIDTH IN NUMBER OF MODULAR SPACINGS VOLTAGE RATING (UL) VOLTAGE TYPE AC OVERVOLTAGE CATEGORY NUMBER OF POLES RELEASE CHARACTERISTIC SPECIAL FEATURES Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity APPLICATION APPLICATION APPLICATION O W O W O W O W O W O W O W O		60 Hz
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POLE, CURRENT-DEPENDENT VOLTAGE RATING (IEC/EN 60898-1) WIDTH IN NUMBER OF MODULAR SPACINGS VOLTAGE RATING (UL) VOLTAGE TYPE AC OVERVOLTAGE CATEGORY NUMBER OF POLES RELEASE CHARACTERISTIC TYPE AMbient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity APPLICATION APPLICATION O W 415 VAC 415 VAC 415 VAC 415 VAC 480Y/277 V AC AC OVERVOLTAGE III AC AC OVERVOLTAGE AC OVERVOLTAGE CATEGORY AC AC AMbient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity Branch circuits, not as BCPD Switchgear for industrial and advanced commercial applications EXERTICATION APPLICATION		0 W
WIDTH IN NUMBER OF MODULAR SPACINGS VOLTAGE RATING (UL) VOLTAGE TYPE AC OVERVOLTAGE CATEGORY NUMBER OF POLES RELEASE CHARACTERISTIC TYPE PAZ Miniature circuit breaker Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity Parallel Sepectal September 1 of the substitution of current carrying capacity APPLICATION APPLICATION WIDTH IN NUMBER OF MODULAR SPACINGS AC AC PAZ Miniature circuit breaker Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity Branch circuits, not as BCPD Switchgear for industrial and advanced commercial applications Expected to the substitution of current carrying capacity APPLICATION APPLICATION AC **Commercial applications of current carrying capacity of substitutions of current carrying capacity of current c	POLE, CURRENT-	0 W
MODULAR SPACINGS VOLTAGE RATING (UL) VOLTAGE TYPE AC OVERVOLTAGE CATEGORY NUMBER OF POLES RELEASE CHARACTERISTIC B - FAZ - Miniature circuit breaker Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity - Branch circuits, not as BCPD - Switchgear for industrial and advanced commercial applications - xEffect - Switchgear		415 VAC
VOLTAGE TYPE OVERVOLTAGE CATEGORY NUMBER OF POLES RELEASE CHARACTERISTIC FAZ • Miniature circuit breaker Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity • Branch circuits, not as BCPD • Switchgear for industrial and advanced commercial applications • xEffect - Switchgear		3
OVERVOLTAGE CATEGORY NUMBER OF POLES Three-pole RELEASE CHARACTERISTIC • FAZ • Miniature circuit breaker Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity • Branch circuits, not as BCPD • Switchgear for industrial and advanced commercial applications • xEffect - Switchgear	VOLTAGE RATING (UL)	480Y/277 V
NUMBER OF POLES Three-pole RELEASE CHARACTERISTIC • FAZ • Miniature circuit breaker Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity • Branch circuits, not as BCPD • Switchgear for industrial and advanced commercial applications • xEffect - Switchgear	VOLTAGE TYPE	AC
RELEASE CHARACTERISTIC • FAZ • Miniature circuit breaker Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity • Branch circuits, not as BCPD • Switchgear for industrial and advanced commercial applications • xEffect - Switchgear		Ш
CHARACTERISTIC • FAZ • Miniature circuit breaker Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity • Branch circuits, not as BCPD • Switchgear for industrial and advanced commercial applications • xEffect - Switchgear	NUMBER OF POLES	Three-pole
TYPE • Miniature circuit breaker Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity • Branch circuits, not as BCPD • Switchgear for industrial and advanced commercial applications • xEffect - Switchgear		В
a 1 °C increase results in a 0.5% linear reduction of current carrying capacity Branch circuits, not as BCPD Switchgear for industrial and advanced commercial applications xEffect - Switchgear	ТҮРЕ	Miniature circuit
as BCPD • Switchgear for industrial and advanced commercial applications • xEffect - Switchgear	SPECIAL FEATURES	a 1 °C increase results in a 0.5% linear reduction of
advanced commercial applications	APPLICATION	as BCPD • Switchgear for industrial and advanced commercial applications • xEffect - Switchgear for industrial and advanced commercial

NUMBER OF POLES (PROTECTED)	3
NUMBER OF POLES (TOTAL)	3
OPERATIONAL VOLTAGE (IEC/EN 60947-2) - MAX	440 VAC
RATED INSULATION VOLTAGE (UI)	440 V
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	1.5 A
RATED OPERATIONAL VOLTAGE (UE) - MAX	400 V
RATED SERVICE SHORT- CIRCUIT BREAKING CAPACITY (IEC/EN 60898- 1) - ICS	7.5 kA
RATED SERVICE SHORT- CIRCUIT BREAKING CAPACITY (IEC/EN 60947- 2) - ICS	7.5 kA
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
RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC 60947-2)- ICU AT 230 V	15 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC 60947-2)- ICU AT 400 V	15 kA
RATED SWITCHING CAPACITY (IEC/EN 60898- 1)	10 kA
RATED SWITCHING CAPACITY (IEC/EN 60947- 2)	15 kA
RATED SWITCHING CAPACITY (IEC/EN 60947- 2) AT MAX VOLTAGE RATING	10 kA
STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT	0 W
POWER LOSS	6.7 W

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
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