Miniature circuit breaker (MCB), 0.5 A, 1p, characteristic: D

Powering Business Worldwide*

Part no. FAZ-D0,5/1-NA

102097

EL Number 1691622

(Norway)

General specifications	
Product name	Eaton Moeller series xEffect - FAZ-NA, FAZ-RT MCB
Part no.	FAZ-D0,5/1-NA
EAN	4015081019731
Product Length/Depth	105 millimetre
Product height	75.5 millimetre
Product width	17.7 millimetre
Product weight	0.12 kilogram
Compliances	RoHS conform
Certifications	UL (File No. E235139) CSA (File No. 204453) CSA-C22.2 No. 5-09 North America (UL listed, CSA certified) IEC 60947-2 Specially designed for North America, suitable as BCPD CE marking UL 489 UL (Category Control Number DIVQ) UL 489, CSA C22.2 No. 5 IEC/EN 60947-2 CSA (Class No. 1432-01) IEC 61373 EN45545-2
Product Tradename	xEffect - FAZ-NA, FAZ-RT
Product Type	мсв
Product Sub Type	None
Delivery program	
Application	Feeder circuits, branch circuits Switchgear for export to North America (UL-listed)
Number of poles	Single-pole
Number of poles (total)	1
Number of poles (protected)	1
Tripping characteristic	D
Release characteristic	D
Amperage Rating	0.5 A
Туре	FAZ-NA Miniature circuit breaker
Technical Data - Electrical	
Voltage type	AC
Voltage rating	277 V AC / 480 V AC
Voltage rating at DC	60 V DC
Voltage rating (IEC/EN 60947-2)	240 V AC / 415 V AC
Voltage rating (UL)	277 V
Rated operational voltage (Ue) - max	240 V
Rated insulation voltage (Ui)	440 V
Rated impulse withstand voltage (Uimp)	4 kV
Frequency rating - min	50 Hz
Frequency rating - max	60 Hz
Rated switching capacity (IEC/EN 60947-2)	15 kA
Rated short-circuit breaking capacity (EN 60898) at 230 V	0 kA
Rated short-circuit breaking capacity (EN 60898) at 400 V	0 kA
Rated short-circuit breaking capacity (IEC 60947-2) at 230 V	15 kA
Rated short-circuit breaking capacity (IEC 60947-2) at 400 V	15 kA
Selectivity class	3

Outroutage category Pollution degree 2 As required Tochnical Date - Mechanical Frame Enclosure width Width in number of modular spacings 1 Built-in degrh Mounting width per pole Mounting position Degree of protection P120 (EC) P140 (Mounting Position P120 (EC) P140 (Mounting P140	Marana alaskiral	20000
Pollution degree 2 Direction of incoming supply As required Technical Data - Mechanical Frame 45 mm Enclosure width 105 mm Width in number of modular spacings 1 Bulk-in depth 770 5 mm Mounting width per pole 17.7 mm Mounting width per pole 17.7 mm Mounting width per pole 17.8 mm Mounting Method As required Paperson Polymer	Lifespan, electrical	20000 operations
Direction of incoming supply Technical Date - Mechanical Frame		
Technical Data - Mechanical Frame Enclosure width Width in number of medular spacings Built-in depth Mounting width Mounting width per pole Mounting width per pole Mounting width per pole Mounting position Degree of protection Protection Torminals top and bottom Connectable conductor cross section (solid-core) - max Connectable conductor cross section (solid-core) - max Connectable conductor cross section (multi-wired) - max Connect		
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Built-in depth Mounting width per pole Mounting width per pole Mounting width per pole Mounting position Dagree of protection Pagree of protection Town-purpose terminals Connectable conductor crass section (solid-core) - min Connectable conductor crass section (solid-core) - max Connectable conductor crass section (solid-core) - max Connectable conductor crass section (multi-wired) - max Torminal protection Tightening torque Pagree of protection Tightening torque Pagree of protection Tightening torque Pagree of protection Reted operational current for spending the at dissipation (In) Heat dissipation, current-dependent Equipment heat dissipation, current-dependent Equipment heat dissipation, current-dependent Equipment heat dissipation, current-dependent Ambient operating temperature - min Additional information Current limiting class Features Paul used with Faz NAs Ambient tours current carrying capacity Faz Nas Pagree of protection Tymm Torminal (ECEN 60715 Are queried Top-hat rail EC/EN 60715 Are queried Top-hat rail EC/EN 60715 Pagree P	Enclosure width	105 mm
Mounting width per pole Mounting width per pole Top-hat rail EC/EN 60715 Mounting position Degree of protection Terminals (top and bottom) Connectable conductor cross section (solid-core) - min Connectable conductor cross section (solid-core) - max Connectable conductor cross section (multi-wired) - min Connectable conductor cross section (multi-wired) - max Terminal protection Tightening torque Max. 24 Nm Ut. 4 Nm (28 ib-in) for AWG 8 Ut. 24 Nm (21 ib-in) for AWG 8 Ut. 24 Nm (21 ib-in) for AWG 10 - AWG 8 Ut. 24 Nm (21 ib-in) for AWG 10 - AWG 8 Ut. 24 Nm (21 ib-in) for AWG 10 - AWG 10	Width in number of modular spacings	1
Mounting Wethod Mounting Method Mounting position Degree of protection P20 (EC) P20 P30 P40 (when fitted) UL/SA Type: - Terminals (top and bottom) Connectable conductor cross section (solid-core) - min Connectable conductor cross section (solid-core) - min Connectable conductor cross section (multi-wired) - max Terminal protection Tightening torque Max. 24 Nm UL: 48 Nm [28] Ib-in for AWG 8 UL: 28 Nm [28] Ib-in for AWG 8 UL: 28 Nm [28] Ib-in for AWG 10 - AWG 8 UL:	Built-in depth	70.5 mm
Mounting Method Degree of protection Page of protection Terminals (top and bottom) Connectable conductor cross section (solid-core) - min Connectable conductor cross section (solid-core) - max Connectable conductor cross section (multi-wired) - max Page of protection To protection To protection Tightening torque Page of protection Page and hand touch safe, DGUV VS3, EN 50274 Max 2.4 Nm UL 2.4 Nm (25 lb-in) for AWG 10 - AWG 8 UL 2.4 Nm (25 lb-in) for AWG 10 - AWG 8 UL 2.4 Nm (27 lb-in) for AWG 18 - AWG 12 Page of protection	Mounting width	17.7 mm
Mounting position Degree of protection Page (IEC) PPD	Mounting width per pole	17.7 mm
Degree of protection P20 (IEC) P20	Mounting Method	Top-hatrail IEC/EN 60715
IP20	Mounting position	As required
Connectable conductor cross section (solid-core) - min Connectable conductor cross section (solid-core) - max Connectable conductor cross section (multi-wired) - min Connectable conductor cross section (multi-wired) - max Terminal protection Tightening torque Tightening Tightening torque Tightening	Degree of protection	IP20 IP40 (when fitted)
Connectable conductor cross section (solid-core) - max Connectable conductor cross section (multi-wired) - min Connectable conductor cross section (multi-wired) - max Terminal protection Tightening torque Max. 2.4 Nm U: 4 Nm (36 lb-in) for AWG 6 UI: 2.8 Nm (25 lb-in) for AWG 10 - AWG 8 UI: 2.4 Nm (21 lb-in) for AWG 10 - AWG 18 Reted operational current for specified heat dissipation (In) Heat dissipation per pole, current-dependent Equipment heat dissipation, current-dependent OW Static heat dissipation, non-current-dependent Heat dissipation capacity Ambient operating temperature - min Ambient operating temperature - max Additional information Current limiting class Features Functions Special features Additional equipment possible Current limiting circuit breaker Ambient temperature bint: Starting at 40 ° a 1 °C increase results in a 0.5% line reduction of current carrying capacity Used with	Terminals (top and bottom)	Twin-purpose terminals
Connectable conductor cross section (multi-wired) - min Connectable conductor cross section (multi-wired) - max Terminal protection Tightening torque Max. 24 Nm UL: 4 Nm (36 lb-in) for AWG 6 UL: 24 Nm (21 lb-in) for AWG 10 - AWG 8 UL: 24 Nm (21 lb-in) for AWG 18 - AWG 12 Design verification as per IEC/EN 61439 - technical data Rated operational current for specified heat dissipation (In) Heat dissipation per pole, current-dependent Equipment heat dissipation, current-dependent OW Static heat dissipation, non-current-dependent Heat dissipation capacity Ambient operating temperature - min Ambient operating temperature - max Additional information Current limiting class Features Functions Special features Additional equipment possible Current limiting class Current limiting class Features Ambient temperature hint: Starting at 40 ° a 1 °C increase results in a 0.5% line reduction of current carrying capacity Used with	Connectable conductor cross section (solid-core) - min	1 mm ²
Connectable conductor cross section (multi-wired) - max Terminal protection Tightening torque Max. 24 Nm UL: 4 Nm (38 lb-in) for AWG 6 UL: 28 Nm (25 lb-in) for AWG 10 - AWG 8 UL: 24 Nm (21 lb-in) for AWG 10 - AWG 18 Rated operational current for specified heat dissipation (In) Heat dissipation per pole, current-dependent Equipment heat dissipation, current-dependent Static heat dissipation, non-current-dependent Heat dissipation capacity Ambient operating temperature - min Ambient operating temperature - max Additional information Current limiting class Features Special features 25 mm² Finger and hand touch safe, DGUV VS3, EN 50274 Max. 24 Nm UL: 4 Nm (21 lb-in) for AWG 6 UL: 28 Nm (25 lb-in) for AWG 8 UL: 24 Nm (21 lb-in) for AWG 18 - AWG 12 DS A Max. 24 Nm UL: 4 Nm (21 lb-in) for AWG 18 - AWG 12 UL: 28 Nm (25 lb-in) for AWG 18 - AWG 12 UL: 28 Nm (25 lb-in) for AWG 18 - AWG 12 UL: 28 Nm (25 lb-in) for AWG 18 - AWG 12 UL: 28 Nm (25 lb-in) for AWG 19 - AWG 18 OW Static heat dissipation, non-current-dependent 0 W 4 Wb	Connectable conductor cross section (solid-core) - max	25 mm ²
Terminal protection Tightening torque Max. 24 Nm UL: 4 Nm (38 lb-in) for AWG 6 UL: 28 Nm (25 lb-in) for AWG 10 - AWG 8 UL: 24 Nm (21 lb-in) for AWG 10 - AW	Connectable conductor cross section (multi-wired) - min	1 mm ²
Tightening torque Max. 2.4 Nm UL: 4 Nm (36 lb-in) for AWG 6 UL: 28 Nm (25 lb-in) for AWG 10 - AWG 8 UL: 24 Nm (21 lb-in) for AWG 10 - AWG 12 Design verification as per IEC/EN 61439 - technical data Rated operational current for specified heat dissipation (In) Heat dissipation per pole, current-dependent Equipment heat dissipation, current-dependent OW Static heat dissipation, non-current-dependent OW Ambient operating temperature - min Ambient operating temperature - max Additional information Current limiting class Features Additional Features Special features Special features Ambient temperature hint: Starting at 40 ° a 1 °C increase results in a 0.5% line reduction of current carrying capacity Used with	Connectable conductor cross section (multi-wired) - max	25 mm ²
UL: 4 Nm (36 lb-in) for AWG 6 UL: 2.8 Nm (25 lb-in) for AWG 10 - AWG 8 UL: 2.4 Nm (21 lb-in) for AWG 10 - AWG 18 Rated operational current for specified heat dissipation (In) Heat dissipation per pole, current-dependent Equipment heat dissipation, current-dependent OW Static heat dissipation, non-current-dependent Heat dissipation capacity Ambient operating temperature - min Ambient operating temperature - max Additional information Current limiting class Features Functions Special features Additional equipment possible Current limiting circuit breaker Ambient temperature hint: Starting at 40 ° a 1 °C increase results in a 0.5% line reduction of current carrying capacity Used with	Terminal protection	Finger and hand touch safe, DGUV VS3, EN 50274
Rated operational current for specified heat dissipation (In) Heat dissipation per pole, current-dependent Equipment heat dissipation, current-dependent Static heat dissipation, non-current-dependent Heat dissipation capacity Ambient operating temperature - min -25 °C Ambient operating temperature - max 75 °C Additional information Current limiting class Features Functions Special features Additional equipment possible Current limiting circuit breaker Ambient temperature hint: Starting at 40 ° a 1 °C increase results in a 0.5% line reduction of current carrying capacity Used with	Tightening torque	UL: 4 Nm (36 lb-in) for AWG 6 UL: 2.8 Nm (25 lb-in) for AWG 10 - AWG 8
Heat dissipation per pole, current-dependent Equipment heat dissipation, current-dependent Static heat dissipation, non-current-dependent Heat dissipation capacity Ambient operating temperature - min Ambient operating temperature - max 75 °C Additional information Current limiting class Features Functions Special features Special features Ambient temperature hint: Starting at 40 ° a 1 °C increase results in a 0.5% line reduction of current carrying capacity Used with	Design verification as per IEC/EN 61439 - technical data	
Equipment heat dissipation, current-dependent Static heat dissipation, non-current-dependent Heat dissipation capacity Ambient operating temperature - min Ambient operating temperature - max 75 °C Additional information Current limiting class Features Functions Special features Special features Ambient dissipation, current-dependent 0 W -25 °C -25 °C Additional equipment possible Current limiting class Additional equipment possible Current limiting circuit breaker Ambient temperature hint: Starting at 40 ° a 1 °C increase results in a 0.5% line reduction of current carrying capacity Used with	Rated operational current for specified heat dissipation (In)	0.5 A
Static heat dissipation, non-current-dependent Heat dissipation capacity OW Ambient operating temperature - min Ambient operating temperature - max 75 °C Additional information Current limiting class Features Additional equipment possible Functions Special features Ambient temperature hint: Starting at 40 ° a 1 °C increase results in a 0.5% line reduction of current carrying capacity Used with	Heat dissipation per pole, current-dependent	0 W
Heat dissipation capacity Ambient operating temperature - min -25 °C Ambient operating temperature - max 75 °C Additional information Current limiting class Features Additional equipment possible Current limiting circuit breaker Special features Ambient temperature hint: Starting at 40 ° a 1 °C increase results in a 0.5% line reduction of current carrying capacity Used with	Equipment heat dissipation, current-dependent	0 W
Ambient operating temperature - min Ambient operating temperature - max 75 °C Additional information Current limiting class Features Additional equipment possible Functions Special features Ambient temperature hint: Starting at 40 ° a 1 °C increase results in a 0.5% line reduction of current carrying capacity Used with FAZ-NA	Static heat dissipation, non-current-dependent	0 W
Ambient operating temperature - max Additional information Current limiting class Features Additional equipment possible Current limiting circuit breaker Special features Ambient temperature hint: Starting at 40 ° a 1 °C increase results in a 0.5% line reduction of current carrying capacity Used with	Heat dissipation capacity	0 W
Additional information Current limiting class Features Additional equipment possible Current limiting circuit breaker Current limiting circuit breaker Ambient temperature hint: Starting at 40 ° a 1 °C increase results in a 0.5% line reduction of current carrying capacity Used with FAZ-NA	Ambient operating temperature - min	-25 °C
Current limiting class Features Additional equipment possible Current limiting circuit breaker Current limiting circuit breaker Ambient temperature hint: Starting at 40 ° a 1 °C increase results in a 0.5% line reduction of current carrying capacity Used with FAZ-NA	Ambient operating temperature - max	75 °C
Features Additional equipment possible Functions Current limiting circuit breaker Ambient temperature hint: Starting at 40 ° a 1 °C increase results in a 0.5% line reduction of current carrying capacity Used with FAZ-NA	Additional information	
Features Additional equipment possible Functions Current limiting circuit breaker Ambient temperature hint: Starting at 40 ° a 1 °C increase results in a 0.5% line reduction of current carrying capacity Used with FAZ-NA	Current limiting class	3
Functions Current limiting circuit breaker Special features Ambient temperature hint: Starting at 40 ° a 1 °C increase results in a 0.5% line reduction of current carrying capacity Used with FAZ-NA		
Special features Ambient temperature hint: Starting at 40 ° a 1 °C increase results in a 0.5% line reduction of current carrying capacity Used with FAZ-NA		
		Ambient temperature hint: Starting at 40 ° a 1 °C increase results in a 0.5% linear
	Used with	

Technical data ETIM 9.0

Circuit breakers and fuses (EG000020) / Miniature circuit breaker (MCB) (EC000042)

Electric engineering, automation, process control engineering / Electrical installation, device / Miniature circuit breaker system (MCB) / Miniature circuit breaker (MCB) (ecl@ss13-27-14-19-01 [AAB905019])

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Built-in depth	n	mm	70.5
Release characteristic			D
Number of poles (total)			1
Number of protected poles			1
Rated current	A	A	0.5
Rated voltage	٧	V	240
Rated insulation voltage Ui	٧	V	440
Rated impulse withstand voltage Uimp	k	kV	4
Rated short-circuit breaking capacity Icn according to EN 60898 at 230 V $$	k	kA	0
Voltage type			AC

Rated short-circuit breaking capacity Icn according to EN 60898 at 400 V	kA	0
Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V $$	kA	15
Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V $$	kA	15
Frequency	Hz	50 - 60
Power loss	W	
Current limiting class		3
Flush-mounted installation		No
Concurrently switching neutral conductor		No
Over voltage category		3
Pollution degree		2
Additional equipment possible		Yes
Width in number of modular spacings		1
Degree of protection (IP)		IP20
Ambient temperature during operating	°C	-25 - 75
Connectable conductor cross section multi-wired	mm²	1 - 25
Connectable conductor cross section solid-core	mm²	1 - 25
Explosion-proof		No