## DATASHEET - FAZ-C8/2-NA

## Miniature circuit breaker (MCB), 8 A, 2p, characteristic: C



Part no.	FAZ-C8/2-NA
	102166
EL Number	1691595
(Norway)	

Product name     Factor Modelsr series Æffect - FAZ-NA, FAZ-RT MCB       Part no.     FAC-0282-NA       EAN     0405001009423       Product naghtDepth     Get 0150011009423       Product naghtDepth     Get 0233 Migram       Product width     Get 0233 Migram       Product width     Get 0233 Migram       Compliances     RMS conform       Compliances     RMS conform       Currifications     SSA millinetre       Product Tradename     RMS conform       Currifications     SSA willinetre       Product Tradename     RMS conform       Currifications     SSA willinetre       Product Tradename     SSA willinetre	General specifications	
EAN401508102423Product Longth/Depth109 millimetreProduct theight25 millimetreProduct weight0.243 kilogramCompliances0.243 kilogramCorrificationsRolfs conformCorrificationsRolfs conformProduct TradenameRolfs conform	Product name	Eaton Moeller series xEffect - FAZ-NA, FAZ-RT MCB
Product Length/Depth105 millinereProduct vielph755 millinereProduct with25 millinereProduct with28 A nillinereProduct with8 A nillinereCompliancesRelfs conformCertifications8 A Nillinere (Listed)Destination (Listed)8 A Nillinere (Listed)North America (Listed)8 A Nillinere (Listed)Vielph (An E25313)North America (Listed)Product Tradomame26 A Tillinere (Listed)Product Sub Type6 A Control Number DVD)Product Sub Type6 A Control Number DVD)Product Tradomame8 A StandardProduct Sub Type6 A Control Number DVD)Product Sub Type6 A Control Number DVD)Delivery program8 A StandardApplication7 A StandardNumber of poles7 A StandardNumber of poles (protected)7 A Control Number CircuitsNumber of poles (protected)7 A A A StandardTreping Ancerteristic6 A A A A A A A A A A A A A A A A A A A	Part no.	FAZ-C8/2-NA
Product height75 millimetreProduct width35 nillimetreProduct width36 nillimetreComplancesRoltS conformCorfficationsCSA-C22 2 No. 5-49ConfficationsCSA-C22 2 No. 5-49Schwinzer Schwinzer Schw	EAN	4015081020423
Product widthSA millimetroProduct width0.248 kiogramCompliances8.45 conformCertifications8.45 conformCertifications8.45 conformCertifications8.45 conformCertifications8.45 conformCertifications8.45 conformCertifications8.45 conformView8.45 conformNorth America (UL listed, CSA certified)Life (Borgor, Control Number DIVO)CSA (File No. 20458)North America (UL listed, CSA certified)Life (Borgor, Control Number DIVO)CSA (File No. 20458)View8.65 (222 No. 5 LIFCR) N37-2Product Tradename8.66 (222 No. 5 LIFCR) N37-2Product Type9.66 (2007)Product Type9.66 (2007)Product Type9.66 (2007)Product Type9.66 (2007)Number of poles9.66 (2007)Number of poles (protectod)9.66 (2007)Number of poles (protectod)9.66 (2007)Number of poles (protectod)9.66 (2007)Tripping characteristic9.66 (2007)Angerage Reling0.16 (2007)Angerage Reling0.16 (2007)Type9.66 (2007)Voltage trade at the Stripe0.77 (27.460 VACVoltage trade at the Stripe6.77 (2007)Voltage trade at the Strip	Product Length/Depth	105 millimetre
Product weight     0243 kilogram       Compliances     RoHS conform       Certifications     SA F62 z2 No. 50 (SA F62 Z2 NO. 5	Product height	75.5 millimetre
Compliances     RoHS conform       Certifications     CSA-C22 Xin No. 2045(3)       Certifications     CSA-C22 Xin No. 2045(3)       ULL (File No. E253(3))     No. 4045(3)       Marcine (ULL Isted)     EC 60847-2       EC 60847-2     EC 60847-2       Product Tradename     File Constrained       Product Sub Type     File Constrained       Number of poles (tr	Product width	35.4 millimetre
CertificationsCSA-C22_2 No. 5-09 CSA (File No. 225 139) North America (Ul. Used, CSA certified) IEC 0694-2 CE marking U. (Edegory. Outroit Number DIVD) CSA (Cass No. 1482-01) CSA (Cass	Product weight	0.243 kilogram
Product TradenameCSA (File No. E23139) North America, suitable as BCPD UL (Resp. Control Number DIV0) CSA (Ciss No. 1432-01) Specially designed for North America, suitable as BCPD UL 489 CSA (Ciss Xo. 1432-01) CSA (Ciss Xo. 1432-01) C	Compliances	RoHS conform
Prduct Type     MCB       Prduct Sub Type     None       Delivery program     Feeder circuits, branch circuits       Application     Iwo-pole       Number of poles     Iwo-pole       Number of poles (total)     2       Number of poles (protected)     2       Tripping characteristic     C       Release characteristic     C       Amperage Rating     KAZ-NA       Type     Kada       Voltage type     AC       Voltage traing     C1       Voltage traing     C       Voltage rating     AC       Voltage rating     C1       Voltage rating     AC       Voltage rating     C1       Voltage rating     C0       Voltage rating ra	Certifications	CSA (File No. 204453) UL (File No. E235139) North America (UL listed, CSA certified) IEC 60947-2 CE marking UL (Category Control Number DIVQ) CSA (Class No. 1432-01) Specially designed for North America, suitable as BCPD UL 489 UL 489, CSA C22.2 No. 5 IEC/EN 60947-2 IEC 61373
Product Sub Type     None       Delivery program     Feder circuits, branch circuits       Application     Feder circuits, branch circuits       Application     Switchgear for export to North America (UL-listed)       Number of poles     Two-pole       Number of poles (total)     2       Number of poles (protected)     2       Tripping characteristic     C       Release characteristic     C       Amperage Rating     8 A       Type     FAZ-NA       Voltage type     AC       Voltage type     AC       Voltage rating at DC     GV DC       Voltage rating (IEC/EN 60947-2)     GV DC	Product Tradename	xEffect - FAZ-NA, FAZ-RT
Delivery program     Image: Section of the section of	Product Type	МСВ
ApplicationFeeder circuits, branch circuits Switchgeer for export to North America (UL-listed)Number of polesTwo-poleNumber of poles (total)2Number of poles (protected)2Tripping characteristicCRelease characteristicCAmperage RatingATypeFAZ-NA Miniature circuit breakerVoltage ratingACVoltage rating at DCGV DCVoltage rating (IEC/EN 60947-2)Merica (ML-listed)	Product Sub Type	None
Number of poles   Switchgear for export to North America (UL-listed)     Number of poles   Two-pole     Number of poles (total)   2     Number of poles (protected)   2     Tripping characteristic   C     Release characteristic   C     Amperage Rating   KAZ-NA     Type   FAZ-NA     Voltage type   AC     Voltage rating at DC   Sov CC     Voltage rating (IEC/EN 60947-2)   Sov CC	Delivery program	
Number of poles (total)2Number of poles (protected)2Tripping characteristicCRelease characteristicCAmperage RatingSATypeFAZ-NA Miniature circuit breakerVoltage typeACVoltage rating at DCGV DCVoltage rating (IEC/EN 60947-2)Miniature circuit du Voltage rating (IEC/EN 60947-2)	Application	
Number of poles (protected)2Tripping characteristicCRelease characteristicCAmperage RatingCTypeATypeFAZ-NA Miniature circuit breakerVoltage typeACVoltage rating at DCCVoltage rating (IEC/EN 60947-2)C	Number of poles	Two-pole
Tripping characteristic     C       Release characteristic     C       Amperage Rating     C       Type     8 A       Technical Data - Electrical     FAZ-NA Miniature circuit breaker       Voltage type     AC       Voltage rating at DC     60 V DC       Voltage rating (IEC/EN 60947-2)     60 V DC	Number of poles (total)	2
Release characteristic     C       Amperage Rating     C       Type     BA       Technical Data - Electrical     FAZ-NA Miniature circuit breaker       Voltage type     AC       Voltage rating     C       Voltage rating at DC     C       Voltage rating (IEC/EN 60947-2)     C	Number of poles (protected)	2
Amperage RatingB ATypeFAZ-NA Miniature circuit breakerTechnical Data - ElectricalFAZ-NA Miniature circuit breakerVoltage typeFAZ-NA Miniature circuit breakerVoltage ratingFAZ-NA Miniature circuit breakerVoltage rating at DCFAZ-NA Miniature circuit breakerVoltage rating (IEC/EN 60947-2)FAZ-NA Miniature circuit breaker	Tripping characteristic	С
Type   FAZ-NA Miniature circuit breaker     Technical Data - Electrical   FAZ-NA Miniature circuit breaker     Voltage type   AC     Voltage rating   C     Voltage rating at DC   60 V DC     Voltage rating (IEC/EN 60947-2)   60 V DC	Release characteristic	С
Technical Data - Electrical   Miniature circuit breaker     Voltage type   AC     Voltage rating   277 V AC / 480 V AC     Voltage rating (IEC/EN 60947-2)   60 V DC	Amperage Rating	8 A
Voltage type   AC     Voltage rating   Voltage rating at DC   Z77 V AC / 480 V AC     Voltage rating (IEC/EN 60947-2)   C   60 V DC	Туре	
Voltage rating   277 V AC / 480 V AC     Voltage rating at DC   60 V DC     Voltage rating (IEC/EN 60947-2)   440 V	Technical Data - Electrical	
Voltage rating (IEC/EN 60947-2)   60 V DC	Voltage type	AC
Voltage rating (IEC/EN 60947-2) 440 V	Voltage rating	277 V AC / 480 V AC
	Voltage rating at DC	60 V DC
Voltage rating (UL) 480Y/277 V	Voltage rating (IEC/EN 60947-2)	440 V
	Voltage rating (UL)	480Y/277 V
Rated operational voltage (Ue) - max 415 V	Rated operational voltage (Ue) - max	415 V
Rated insulation voltage (Ui) 440 V	Rated insulation voltage (Ui)	440 V
Rated impulse withstand voltage (Uimp) 4 kV	Rated impulse withstand voltage (Uimp)	4 kV
Frequency rating - min 50 Hz	Frequency rating - min	50 Hz
Frequency rating - max 60 Hz	Frequency rating - max	60 Hz
Rated switching capacity (IEC/EN 60947-2) 15 kA	Rated switching capacity (IEC/EN 60947-2)	15 kA
Breaking capacity 10 kA (UL489)	Breaking capacity	10 kA (UL489)
Rated short-circuit breaking capacity (EN 60898) at 230 V 0 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 (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 230 V	15 kA
Rated short-circuit breaking capacity (IEC 60947-2) at 400 V 15 kA	Rated short-circuit breaking capacity (IEC 60947-2) at 400 V	15 kA

Selectivity class	3
Lifespan, electrical	
• •	20000 operations
Overvoltage category	
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	2
Built-in depth	70.5 mm
Mounting width	17.7 mm
Mounting width per pole	17.7 mm
Mounting Method	Top-hat rail IEC/EN 60715
Mounting position	As required
Degree of protection	IP20 IP20 (IEC) IP40 (when fitted) UL/CSA Type: -
Terminals (top and bottom)	Twin-purpose terminals
Connectable conductor cross section (solid-core) - min	1 mm <sup>2</sup>
Connectable conductor cross section (solid-core) - max	25 mm <sup>2</sup>
Connectable conductor cross section (multi-wired) - min	1 mm <sup>2</sup>
Connectable conductor cross section (multi-wired) - max	25 mm <sup>2</sup>
Terminal protection	Finger and hand touch safe, DGUV VS3, EN 50274
Tightening torque	UL: 2.4 Nm (21 lb-in) for AWG 18 - AWG 12 UL: 2.8 Nm (25 lb-in) for AWG 10 - AWG 8 UL: 4 Nm (36 lb-in) for AWG 6 Max. 2.4 Nm
Design verification as per IEC/EN 61439 - technical data	
Rated operational current for specified heat dissipation (In)	8 A
Heat dissipation per pole, current-dependent	0 W
Equipment heat dissipation, current-dependent	2.8 W
Static heat dissipation, non-current-dependent	0 W
Heat dissipation capacity	0 W
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	75 °C
Design verification as per IEC/EN 61439	
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.
10.2.7 Inscriptions	Does not apply, since the entire switchgear needs to be evaluated.
10.5 Degree of protection of assemblies	Meets the product standard's requirements.
10.4 Clearances and cleepage distances	Does not apply, since the entire switchgear needs to be evaluated.
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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	Is the panel builder's responsibility.
10.9.2 Power-frequency electric strength	Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage	Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material	Is the panel builder's responsibility.
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 l 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.
Additional information	
Current limiting class	3
Features	Additional equipment possible
Functions	Current limiting circuit breaker
Special features	Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity
Used with	FAZ-NA Miniature circuit breaker

## **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])

Built-in depth	m	nm	70.5
Release characteristic			C
Number of poles (total)			2
Number of protected poles			2
Rated current	A	4	8
Rated voltage	V	/	415
Rated insulation voltage Ui	V	1	440
Rated impulse withstand voltage Uimp	k\	V	4
Rated short-circuit breaking capacity Icn according to EN 60898 at 230 $V$	k/	A	0
Voltage type			AC
Rated short-circuit breaking capacity Icn according to EN 60898 at 400 $V$	k/	A	0
Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V $$	k/	A	15
Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V $$	k/	A	15
Frequency	H	lz	50 - 60
Power loss	W	V	2.6
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			2
Degree of protection (IP)			IP20
Ambient temperature during operating	٥(	С	-25 - 75
Connectable conductor cross section multi-wired	m	nm²	1 - 25
Connectable conductor cross section solid-core	m	nm²	1 - 25
Explosion-proof			No