## DATASHEET - FAZ-B2/3N

## Miniature circuit breaker (MCB), 2 A, 3p+N, characteristic: B



Part no.	FAZ-B2/3N
	278937
EL Number	1691043
(Norway)	

General specifications	
Product name	Eaton Moeller series xEffect - FAZ MCB
Part no.	FAZ-B2/3N
EAN	4015082789374
Product Length/Depth	80 millimetre
Product height	75.5 millimetre
Product width	72 millimetre
Product weight	0.43 kilogram
Compliances	RoHS conform
Certifications	IEC 61373 EN45545-2
Product Tradename	xEffect - FAZ
Product Type	МСВ
Product Sub Type	None
Delivery program	
Application	Switchgear for industrial and advanced commercial applications xEffect - Switchgear for industrial and advanced commercial applications
Number of poles	Three-pole + N
Number of poles (total)	4
Number of poles (protected)	3
Tripping characteristic	В
Release characteristic	В
Amperage Rating	2 A
Туре	FAZ Miniature circuit breaker
Technical Data - Electrical	
Voltage type	AC
Voltage rating (IEC/EN 60898-1)	415 V AC
Rated operational voltage (Ue) - max	400 V
Operational voltage (IEC/EN 60947-2) - max	440 V AC
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) at max voltage rating	10 kA
Rated switching capacity (IEC/EN 60947-2)	15 kA
Rated switching capacity (IEC/EN 60898-1)	10 kA
Breaking capacity	10 kA (UL1077)
Rated service short-circuit breaking capacity (IEC/EN 60898-1)	7.5 kA
Rated service short-circuit breaking capacity (IEC/EN 60947-2)	7.5 kA
Rated short-circuit breaking capacity (EN 60898) at 230 V	10 kA
Rated short-circuit breaking capacity (EN 60898) at 400 V	10 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
Overvoltage category	
Pollution degree	2
Technical Data - Mechanical	
Width in number of modular spacings	4
Built-in depth	70.5 mm

Connectable conductor errors section (solid-core) - max     2     3       Connectable conductor errors section (solid-core) - max     2     3       Connectable conductor errors section (mult-wired) - min     2     3       Connectable conductor errors section (mult-wired) - max     2     3       Design verification as per IEC/EN 61439 - technical data     2     3       Rated operational current for specified heat dissipation (m)     2     2       Rated operational current for specified heat dissipation (m)     2     2       Static head dissipation, current-dependent     0     0       Heat dissipation querent-dependent     0     0       Note of dissipation on current-dependent     -2     0       Note of dissipation programme     -2     0       Note of dissipation of terrinal stability of enclavers     0     Note of dissipation of terrinal stability of enclavers       102.21 Verification of terrinal stability of enclavers     Meets the product standard's requirements.       102.23 Verification of dissimality of enclavers     Meets the product standard's requirements.       102.24 Verification of dissimality of enclavers     Meets the product standard's requirements.       102.24 Norefication of terrinal st	Degree of protection		IP20
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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's responsibility.     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   Is the panel builder's responsibility. The specifications for the switchgear must be observed.     Additional information   The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.     Special features   Special features   Ambient temperature hint: a 1°C increase results in a 0.5% linear reduction of current carrying capacity			
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's responsibility.     10.11 Short-circuit rating   Is the panel builder's responsibility. The specifications for the switchgear must b observed.     10.12 Electromagnetic compatibility   Is the panel builder's responsibility. The specifications for the switchgear must b observed.     10.13 Mechanical function   Is the panel builder's responsibility. The specifications for the switchgear must b observed.     Additional information   Image: Special features   3     Special features   Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity   Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity			
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's responsibility.     10.11 Short-circuit rating   Is the panel builder's responsibility. The specifications for the switchgear must b observed.     10.12 Electromagnetic compatibility   Is the panel builder's responsibility. The specifications for the switchgear must b observed.     10.13 Mechanical function   It the panel builder's responsibility. The specifications for the information in the instruction leafiert (IL) is observed.     Current limiting class   3     Features   3     Special features   Additional equipment possible     Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity			
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10.10 Temperature rise   Image: Constraint of the section of the temperature rise calculation. Eaton will provide heat dissipation data for the devices.     10.11 Short-circuit rating   Image: Constraint of the devices.     10.12 Electromagnetic compatibility   Is the panel builder's responsibility. The specifications for the switchgear must be observed.     10.13 Mechanical function   Image: Constraint of the device meets the requirements, provided the information in the instruction leaflet (IL) is observed.     Current limiting class   Image: Constraint of the device meets the requirements, provided the information in the instruction leaflet (IL) is observed.     Special features   Image: Constraint of the device meets the requirements of the switchgear must be observed.     Special features   Image: Constraint of the device meets the requirements of the information in the instruction leaflet (IL) is observed.     Special features   Image: Constraint of the device meets the requirements of the device meets the requirement of the device of the			
10.12 Electromagnetic compatibility   observed.     10.13 Mechanical function   Image: Second Sec		1	The panel builder is responsible for the temperature rise calculation. Eaton will
10.13 Mechanical function   Medicional information   The device meets the requirements, provided the information in the instruction     Additional information   Current limiting class   3     Features   Special features   Concurrently switching N-neutral Additional equipment possible     Special features   Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity	10.11 Short-circuit rating		Is the panel builder's responsibility. The specifications for the switchgear must be observed.
Additional information Leaflet (IL) is observed.   Current limiting class 3   Features Concurrently switching N-neutral Additional equipment possible   Special features Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity	10.12 Electromagnetic compatibility		Is the panel builder's responsibility. The specifications for the switchgear must be observed.
Current limiting class 3   Features Concurrently switching N-neutral Additional equipment possible   Special features Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity	10.13 Mechanical function		
Features   Concurrently switching N-neutral Additional equipment possible     Special features   Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity	Additional information		
Special features   Additional equipment possible     Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity	Current limiting class	3	3
current carrying capacity	Features		, .
Used with Miniature circuit breaker	Special features		•
FAZ	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 Built-in depth Release characteristic Number of poles (total)

V	440
kV	4
kA	10
	AC
kA	10
kA	15
kA	15
Hz	50 - 60
W	4.5
	3
	No
	Yes
	3
	2
	Yes
	4
	IP20
°C	-25 - 75
mm²	1 - 25
mm²	1 - 25
	No
	kV kA kA kA kA Hz W