## DATASHEET - FAZ-D1/3N

## Miniature circuit breaker (MCB), 1 A, 3p+N, characteristic: D



Part no.	FAZ-D1/3N
	278983
EL Number	1691206
(Norway)	

General specifications	
Product name	Eaton Moeller series xEffect - FAZ MCB
Part no.	FAZ-D1/3N
EAN	4015082789831
Product Length/Depth	80 millimetre
Product height	75.5 millimetre
Product width	72 millimetre
Product weight	0.425 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	D
Release characteristic	D
Amperage Rating	1 A
Туре	FAZ Miniature circuit breaker
Technical Data - Electrical	
Voltage type	AC
Rated operational voltage (Ue) - max	400 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	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	III III
Pollution degree	2
Technical Data - Mechanical	
Width in number of modular spacings	4
Built-in depth	70.5 mm
Degree of protection	IP20
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>
Design verification as per IEC/EN 61439 - technical data	

10.2.2 Corrosion resistanceMeets the product standard's requirements.10.2.3.1 Verification of themal stability of enclosuresMeets the product standard's requirements.10.2.3.2 Verification of resistance of insulating materials to normal heatMeets the product standard's requirements.10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effectsMeets the product standard's requirements.10.2.4 Resistance to ultra-violet (UV) radiationMeets the product standard's requirements.10.2.5 LiftingDees not apply, since the entire switchgear needs to be evaluated.10.2.7 InscriptionsMeets the product standard's requirements.10.3 Degree of protection of assembliesDees not apply, since the entire switchgear needs to be evaluated.10.4 Clearances and creepage distancesMeets the product standard's requirements.10.5 Protection against electric shockDees not apply, since the entire switchgear needs to be evaluated.10.7 Internal electrical circuits and connectionsMeets the panel builder's responsibility.10.8 Connections for external conductorsIs the panel builder's responsibility.10.9 Spree reference of insulating materialMeets the panel builder's responsibility.10.9 Lifting devices and componentsMeets the panel builder's responsibility.10.9 Lifting devices and componentsIs the panel builder's responsibility.		
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10.12 Electromagnetic compatibility       observed.         10.13 Mechanical function       Image: State of the	10.10 Temperature rise	
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Features     Additional equipment possible Concurrently switching N-neutral       Special features     Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity       Used with     FAZ	Additional information	
Special features     Concurrently switching N-neutral       Used with     Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity	Current limiting class	3
Used with FAZ	Features	
	Special features	
	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])			
Built-in depth	mm	70.5	
Release characteristic		D	
Number of poles (total)		4	
Number of protected poles		3	
Rated current	А	1	
Rated voltage	V	400	
Rated insulation voltage Ui	V	440	
Rated impulse withstand voltage Uimp	kV	4	
Rated short-circuit breaking capacity Icn according to EN 60898 at 230 V	kA	10	
Voltage type		AC	
Rated short-circuit breaking capacity Icn according to EN 60898 at 400 V	kA	10	
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	2.5
Current limiting class		3
Flush-mounted installation		No
Concurrently switching neutral conductor		Yes
Over voltage category		3
Pollution degree		2
Additional equipment possible		Yes
Width in number of modular spacings		4
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