DATASHEET - FAZ-C10/1N



Miniature circuit breaker (MCB), 10 A, 1p+N, characteristic: C

Powering Business Worldwide*

Part no. FAZ-C10/1N Catalog No. 278670 Alternate Catalog FAZ-C10/1N

No.

EL-Nummer 1695204

(Norway)
Similar to illustration

Delivery program

Delivery program			
Basic function			Miniature circuit-breakers
Number of poles			1 pole+N
Tripping characteristic			C
Application			Switchgear for industrial and advanced commercial applications
Rated current	In	Α	10
Rated switching capacity acc. to IEC/EN 60947-2	I _{cu}	kA	15
Product range			FAZ

Technical data

	ical

Electrical			
Standards			IEC/EN 60947-2 IEC/EN 60898
Rated operational voltage	U _e	V	
	U _e	V AC	240/415
		V DC	60 (per pole)
Rated voltage according to UL	Un	V AC	277
Rated switching capacity acc. to IEC/EN 60947-2	I _{cu}	kA	15
Breaking capacity according to UL		kA	10 (UL1077)
Max operational voltage according to IEC/EN 60947-2		V AC	254
Rated switching capacity according to IEC/EN 60947-2 (max operational voltage)	I _{cu}	kA	10
Rated service short-circuit breaking capacity according to IEC/EN 60947-2 (max operational voltage)	I _{cs}		7,5 kA
Rated voltage according to IEC/EN 60898-1	U_{n}	V AC	240
Rated switching capacity according to IEC/EN 60898-1	I _{cn}	kA	10
Rated service short-circuit breaking capacity according to IEC/EN 60898-1	I _{cs}		7,5 kA
Operational switching capacity		kA	7.5
Characteristic			B, C, D, K, S, Z
Max. back-up fuse		A gL/gG	125
Selectivity Class			3
lifespan			
Lifespan	Operations		> 10000
Direction of incoming supply			as required
Mechanical			
Standard front dimension		mm	45
Enclosure height		mm	80
Mounting width per pole		mm	17.5
Mounting			IEC/EN 60715 top-hat rail
Degree of Protection			IP20, IP40 (when fitted)
Terminals top and bottom			Twin-purpose terminals
Terminal protection			Finger and back-of-hand proof to BGV A2
Terminal capacities		mm^2	
		mm^2	1 x 25
		mm ²	2 x 10

Thickness of busbar material	mm	0.8 2
Mounting position		As required

Design verification as per IEC/EN 61439

In	Α	10
P _{vid}	W	0
P _{vid}	W	1.7
P_{vs}	W	0
P _{diss}	W	0
	°C	-40
	°C	75
		linear, per +1 °C, results in a 0.5% reduction of current carrying capacity
		Meets the product standard's requirements.
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		Does not apply, since the entire switchgear needs to be evaluated.
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		Is the panel builder's responsibility.
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		Is the panel builder's responsibility.
		The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
		Is the panel builder's responsibility. The specifications for the switchgear must be observed.
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		The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
	P _{vid} P _{vid} P _{vs}	P _{vid} W P _{vid} W P _{vs} W P _{diss} W °C

Technical data ETIM 7.0

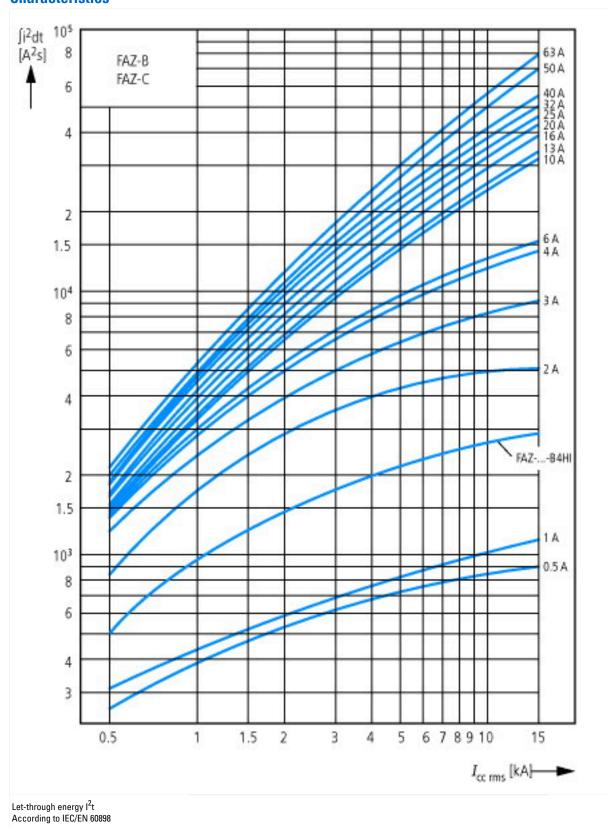
Circuit breakers and fuses (EG000020) / Miniature circuit breaker (MCB) (EC000042)

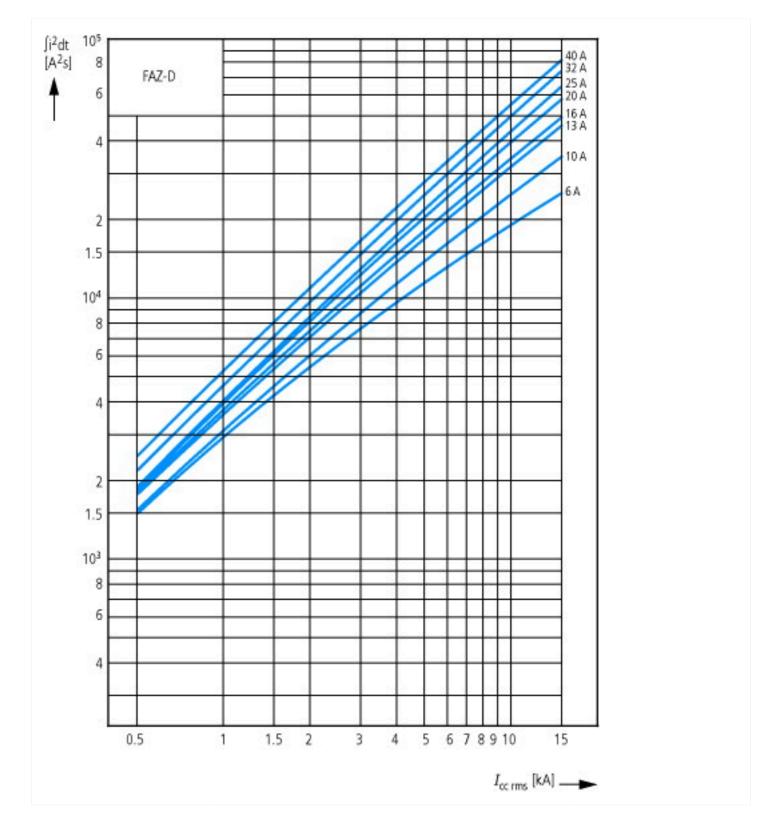
Electric engineering, automation, process control engineering / Electrical installation, device / Miniature circuit breaker system (MCB) / Miniature circuit breaker (MCB) (ecl@ss10.0.1-27-14-19-01 [AAB905014])

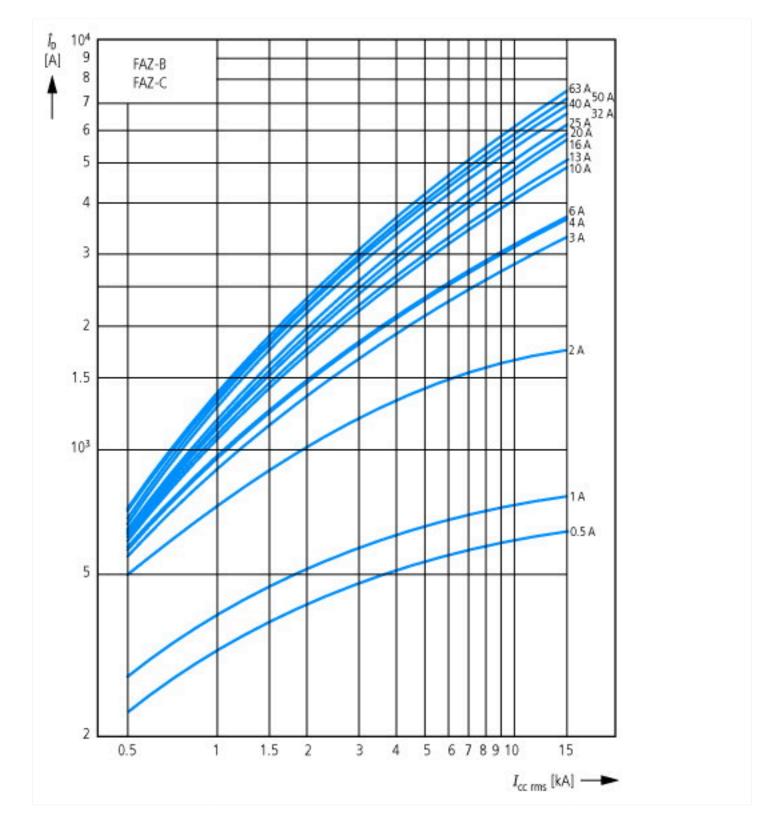
(ecl@ss10.0.1-27-14-19-01 [AAB905014])			
Release characteristic		С	
Number of poles (total)		2	
Number of protected poles		1	
Rated current	Α	10	
Rated voltage	V	230	
Rated insulation voltage Ui	V	440	
Rated impulse withstand voltage Uimp	kV	4	
Rated short-circuit breaking capacity Icn EN 60898 at 230 V	kA	10	
Rated short-circuit breaking capacity Icn EN 60898 at 400 V	kA	10	
Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V	kA	15	

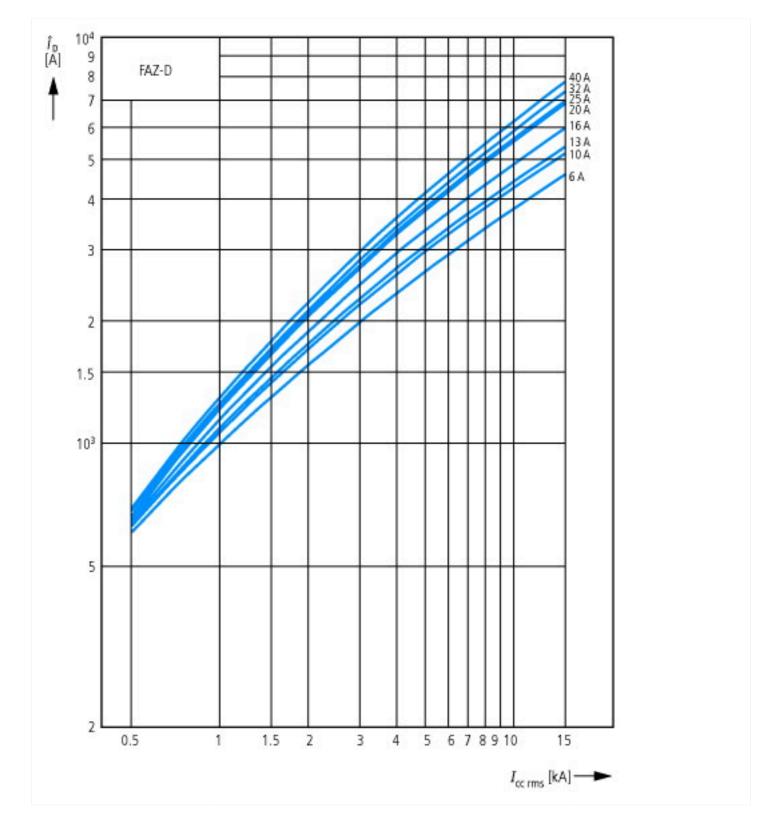
Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V	k.A	kA 15
Voltage type		AC
Frequency	Hz	Hz 50 - 60
Current limiting class		3
Suitable for flush-mounted installation		No
Concurrently switching N-neutral		Yes
Over voltage category		3
Pollution degree		2
Additional equipment possible		Yes
Width in number of modular spacings		2
Built-in depth	m	mm 70.5
Degree of protection (IP)		IP20
Ambient temperature during operating	°C	°C -25 - 75
Connectable conductor cross section multi-wired	m	mm ² 1 - 25
Connectable conductor cross section solid-core	m	mm ² 1 - 25

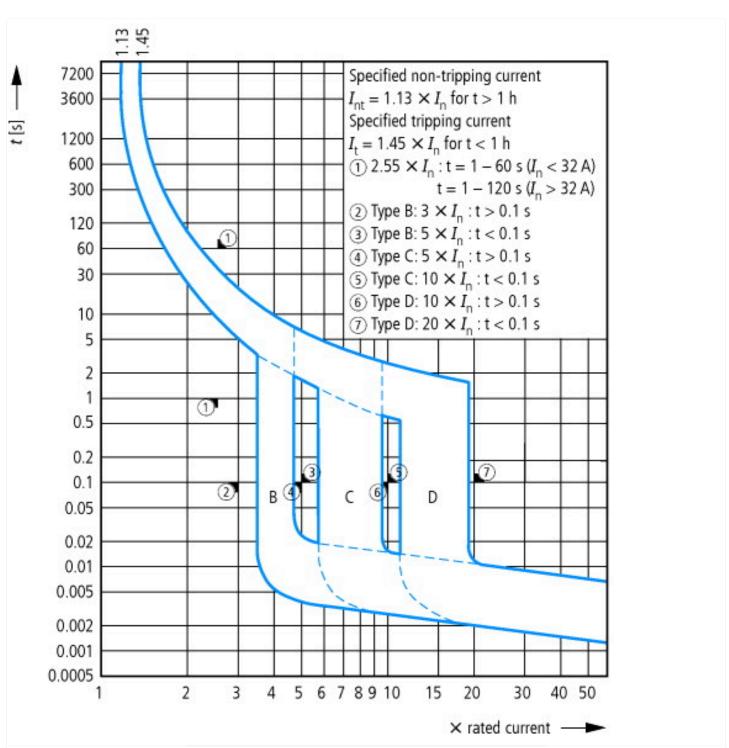
Characteristics





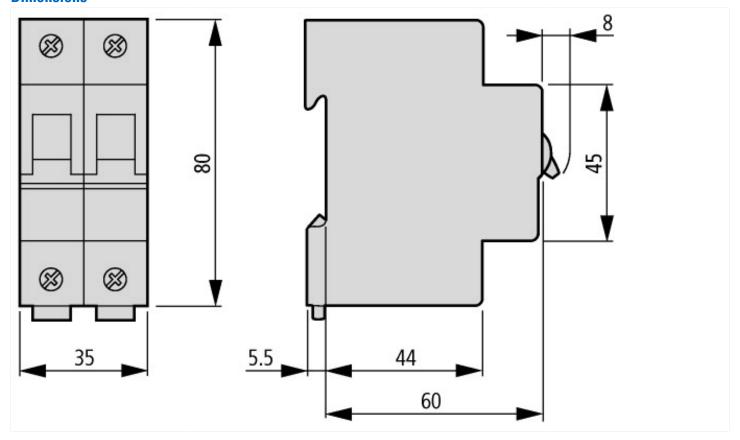






Tripping characteristic at 30 °C: B, C, D to IEC/EN 60898

Dimensions



Additional product information (links)

AWA1220-1755 Circiut-breaker	
AWA1220-1755 Circiut-breaker	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/17550701.pdf
Temperature dependency, derating	https://www.eaton.com/content/dam/eaton/technicaldocumentation/technical-data-tables/Derating table FAZ.pdf