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Miniature circuit breaker (MCB), 20A, 1p, B-Char, AC

Powering Business Worldwide

Part no. FAZ-B20/1 Catalog No. 278536 Eaton Catalog No. FAZ-B20/1

Similar to illustration

Delivery program

		Miniature circuit-breakers
		1 pole
		В
		Switchgear for industrial and advanced commercial applications
In	Α	20
	kA	15
		FAZ
	I _n	"

Technical data

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 switching capacity acc. to IEC/EN 60947-2		kA	15
Operational switching capacity		kA	7.5
Characteristic			B, C, D
Max. back-up fuse		A gL/gG	125
Selectivity Class			3
Lifespan	Operations		> 10000
Direction of incoming supply			as required
Mechanical			
Standard front dimension		mm	AE

Mechanical		
Standard front dimension	mm	45
Enclosure height	mm	80
Terminal protection		Finger and back-of-hand proof to BGV A2
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 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

Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	20
Heat dissipation per pole, current-dependent	P _{vid}	W	0
Equipment heat dissipation, current-dependent	P _{vid}	W	3.2
Static heat dissipation, non-current-dependent	P_{vs}	W	0
Heat dissipation capacity	P _{diss}	W	0

°C	75
	linear, per +1 °C, results in a 0.5% reduction of current carrying capacity
	Meets the product standard's requirements.
	Does not apply, since the entire switchgear needs to be evaluated.
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	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.

Technical data ETIM 6.0

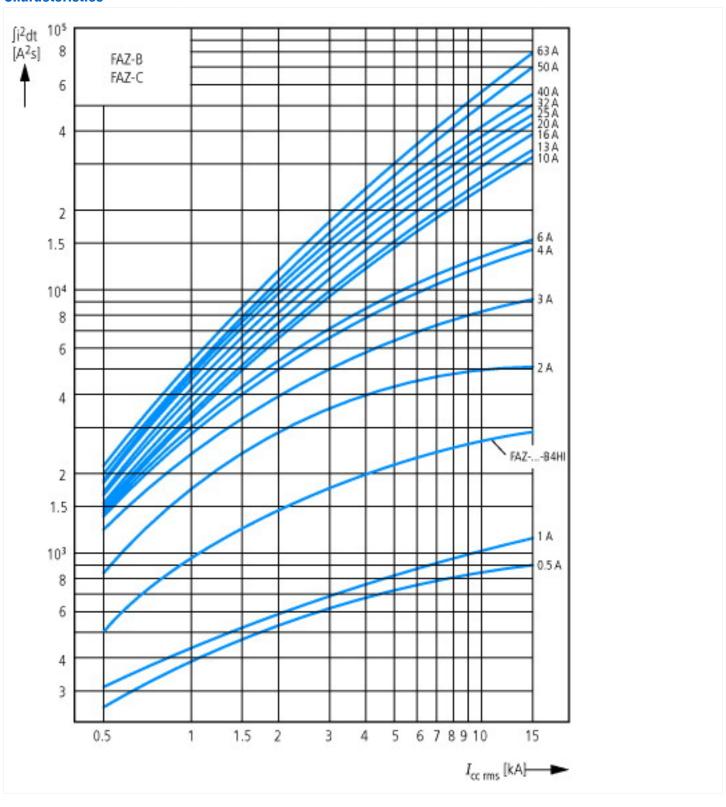
Circuit breakers and fuses (EG000020) / Miniature circuit breaker (MCB) (EC000042)

Electric engineering, automation, process control engineering / Electrical installation, device / Miniature circuit breaker system (MCB) / Miniature circuit breaker (MCB) (ecl@ss8.1-27-14-19-01 [AAB905011])

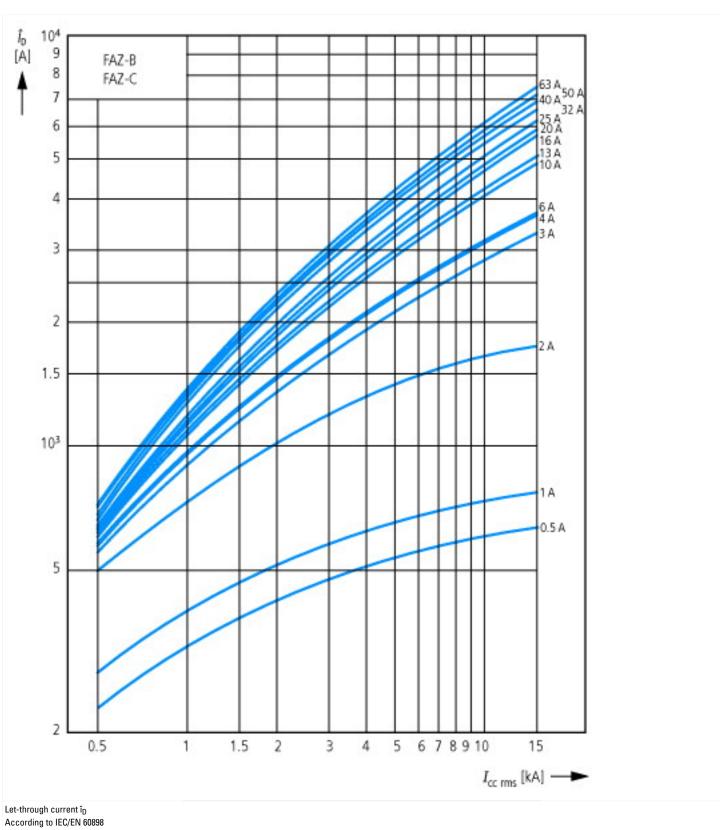
[AAB905011])			
Release characteristic			В
Number of poles (total)			1
Number of protected poles			1
Nominal rated current	A	A	20
Nominal rated voltage	\	V	230
Rated short-circuit breaking capacity Icn EN 60898 at 230 V	k	kA	10
Rated short-circuit breaking capacity Icn EN 60898 at 400 V	k	kA	10
Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V	k	kA	15
Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V	k	kA	15
Voltage type			AC
Current limiting class			3
Frequency	ŀ	Hz	50 - 60
Concurrently switching N-neutral			No
Suitable for flush-mounted installation			No
Over voltage category			3
Pollution degree			2
Width in number of modular spacings			1
Built-in depth	r	mm	70.5
Additional equipment possible			Yes
Degree of protection (IP)			IP20

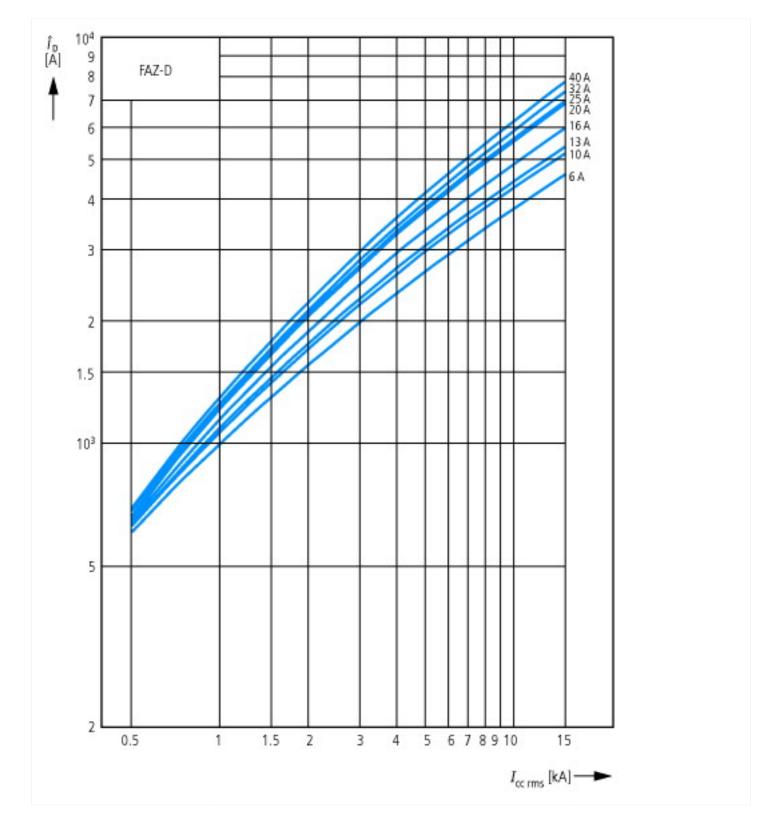
Approvals	
Product Standards	IEC/EN 60947-2; IEC/EN 60898; UL 1077; CSA-C22.2 No. 235; CE marking
UL File No.	E177451
UL Category Control No.	QVNU2, QVNU8
CSA File No.	204453
CSA Class No.	3215-30
North America Certification	UL recognized, CSA certified
Conditions of Acceptability	Supplementary Protector only
Suitable for	Branch Circuits; not as BCPD
Current Limiting Circuit-Breaker	No
Max. Voltage Rating	277 VAC; 48 VDC
Degree of Protection	IEC: IP20; UL/CSA Type: -

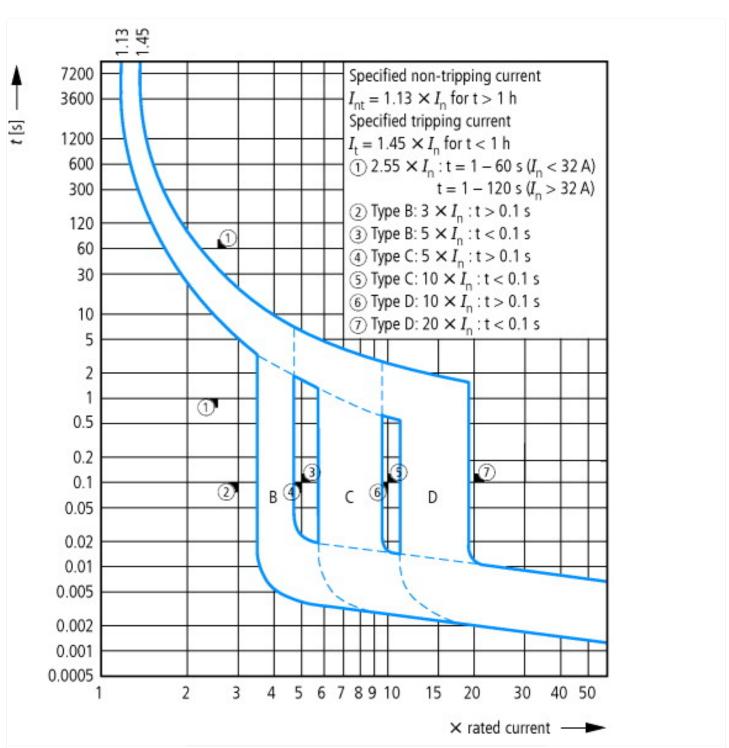
Characteristics



3/8

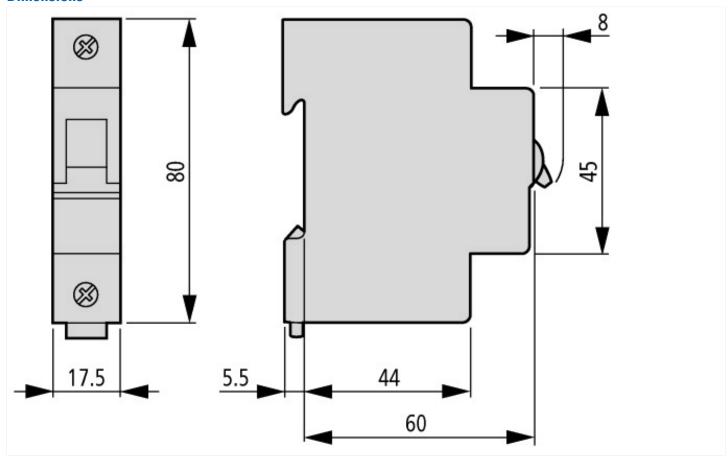






Tripping characteristic at 30 °C: B, C, D to IEC/EN 60898

Dimensions



Additional product information (links)

AWA1220-1755 Circiut-breaker

AWA1220-1755 Circiut-breaker

ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/17550701.pdf