DATASHEET - FAZ-C20/1-NA



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

Part no. FAZ-C20/1-NA Catalog No. 102091 Alternate Catalog FAZ-C20/1-NA

No.

EL-Nummer (Norway) 0001691580



Similar to illustration

Delivery program

zomor, program			
Basic function			Miniature circuit-breakers
Number of poles			1 pole
Tripping characteristic			С
Application			Switchgear for export to North America (UL-listed)
Rated current	In	Α	20
Rated switching capacity acc. to IEC/EN 60947-2	I _{cu}	kA	15
Product range			FAZ-NA

Technical data

Electrical

Standards			UL 489, CSA C22.2 No. 5 IEC 60947-2
Rated operational voltage	U _e	V	
	U _e	V AC	277/480 Y
		V DC	60
Rated voltage according to IEC/EN 60947-2	U_n	V AC	254
Rated voltage according to UL	U_{n}	V AC	277
Rated switching capacity acc. to IEC/EN 60947-2	I _{cu}	kA	15
Breaking capacity according to UL		kA	14 (UL489)
Characteristic			B, C, D
Selectivity Class			3
lifespan			
Lifespan	Operations		> 20000
Direction of incoming supply			as required
Mechanical			
Standard front dimension		mm	45
Enclosure height		mm	105
Mounting width per pole		mm	17.7
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
Tightening torque of fixing screws		N/m	max. 2.4 UL: #18-12 AWG: 2.4 Nm (21 lb-in) #10-8 AWG: 2.8 Nm (25 lb-in) #6 AWG: 4 Nm (36 lb-in)
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

Equipment heat dissipation, current-dependent Pro Variable Static heat dissipation, non-current dependent Pro Variable V	Heat dissipation per pole, current-dependent	P _{vid}	W	0
Static heat dissipation, non-current-dependent Pess W 0 Deparating ambient temperature min. Copurating ambient temperature max. **C - 25 **C - 25 **Deparating ambient temperature max. **Deparating ambient standard's requirements. **Dep			W	29
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	10.12 Electromagnetic compatibility			
	10.13 Mechanical function			

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) (eci@ss10.0.1-27-14-19-01 [AAB905014])

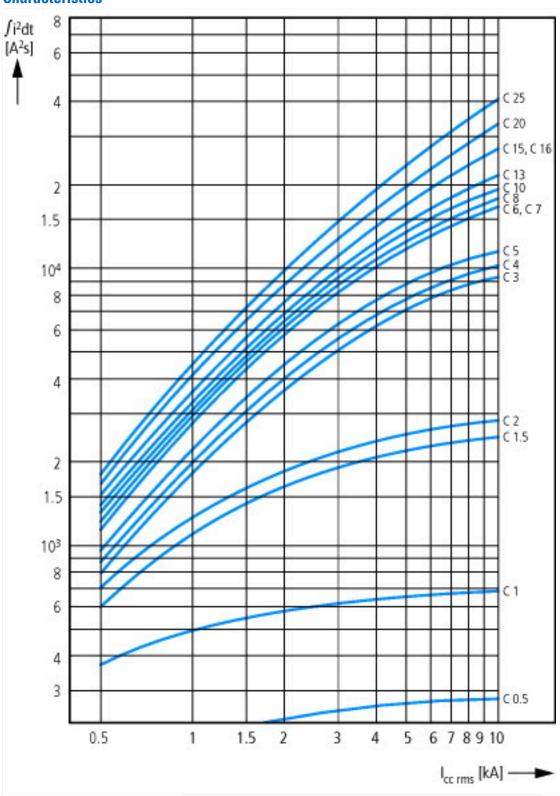
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V	240
V	440
kV	4
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Hz	50 - 60
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Over voltage category		3
Pollution degree		2
Additional equipment possible		Yes
Width in number of modular spacings		1
Built-in depth	mm	70.5
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

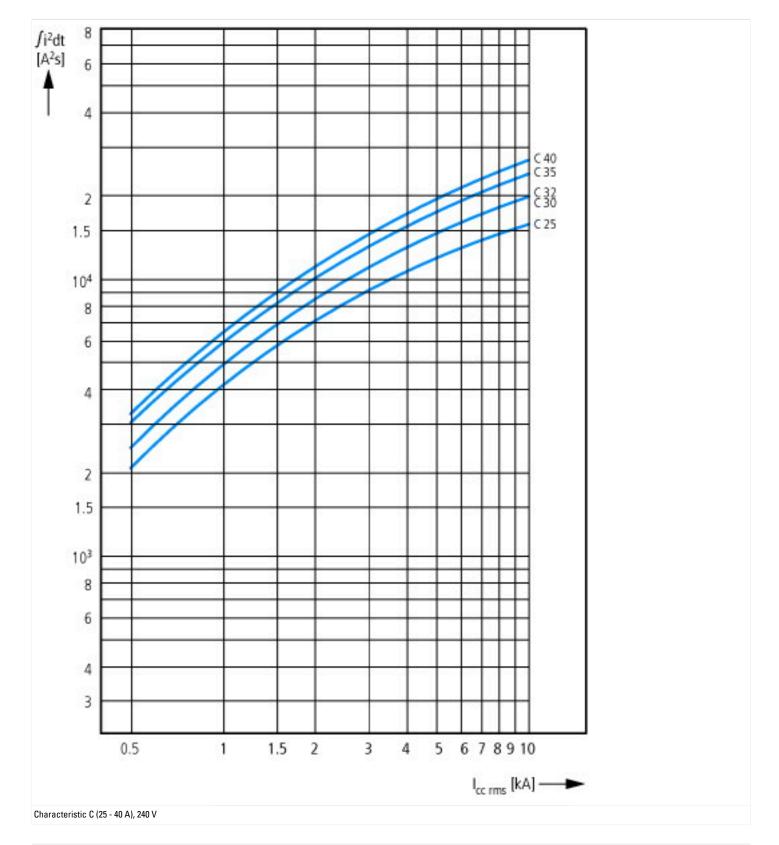
Approvals

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Product Standards	IEC/EN 60947-2; UL 489; CSA-C22.2 No. 5-09; CE marking
UL File No.	E235139
UL Category Control No.	DIVQ
CSA File No.	204453
CSA Class No.	1432-01
North America Certification	UL listed, CSA certified
Specially designed for North America	Yes, suitable as BCPD
Suitable for	Feeder circuits, branch circuits
Current Limiting Circuit-Breaker	Yes
Max. Voltage Rating	≤ 32 A
Degree of Protection	IEC: IP20, UL/CSA Type: -

Characteristics



Let-through energy I²t Characteristic C (0.5 - 20 A), 277 V



Additional product information (links)

Temperature dependency, derating

 $https://www.eaton.com/content/dam/eaton/technical documentation/technical-data-tables/Derating\ table\ FAZ-NA-RT.pdf$