DATASHEET - FAZ-C13/2-DC



Miniature circuit breaker (MCB), 13A, 2p, C-Char, DC current

Powering Business Worldwide*

Part no. FAZ-C13/2-DC Catalog No. 279139
Alternate Catalog FAZ-C13/2-DC

No.

EL-Nummer 0001691505 (Norway)

Similar to illustration

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Delivery program			
Basic function			Miniature circuit-breakers
Number of poles			2 pole
Tripping characteristic			C
Application			Switchgear for DC applications
Rated current	In	Α	13
Rated switching capacity acc. to IEC/EN 60947-2	I _{cu}	kA	10
Product range			FAZ-DC

Technical data

Electrical

Standards Voter ICLEAN 06947-2 Rated operational voltage Uage 100 VOLO 250 (per pole) Rated switching capacity acc. to IEC/EN 60947-2 Icu Voter Characteristic VOLO 250 (per pole) Characteristic	Electrical			
Rated switching capacity acc. to IEC/EN 60947-2 Icu KA 10 Characteristic Lo C C Max. back-up fuse Ag J/g6 100 C Selectivity Class Journal Max. back-up fuse 3 3 Lifespan Operations 1 > 10000 Direction of incoming supply Polarity dependent Polarity dependent Mechanical T M 4 Enclosure height m 4 5 Mounting width per pole m 4 5 Mounting M 4 5 Mounting T 15 5 Mounting width per pole m 4 5 Mounting T 15 15 Degree of Protection T 17 15 Terminals top and bottom T 17 17 Terminal capacities m 17 17 Terminal capacities m 17 17 T m	Standards			IEC/EN 60947-2
Rated switching capacity acc. to IEC/EN 60947-2 Icu kA 10 Characteristic C C Max. back-up fuse A gl/96 100 Selectivity Class 3 3 lifespan Operations > 1000 Direction of incoming supply to polarity dependent Mechanical ***********************************	Rated operational voltage	U _e	V	
Characteristic C C Max. back-up fuse A gLyG6 100 Selectivity Class Journal Class 3 Lifespan Operations 10000 Direction of incoming supply Journal Class Polarity dependent Mechanical mm 45 Enclosure height mm 45 Mounting mm 17.5 Mounting width per pole mm 17.5 Mounting 12.6 12.0			V DC	250 (per pole)
Max. back-up fuse Selectivity Class Selectivity Class Iifespan Lifespan Direction of incoming supply Mechanical Standard front dimension Enclosure height Mounting width per pole Mounting width per pole Mounting Degree of Protection Terminal stop and bottom Terminal rotection Terminal capacities Tinichness of busbar material	Rated switching capacity acc. to IEC/EN 60947-2	I _{cu}	kA	10
Selectivity Class ifrespan Lifespan Direction of incoming supply Mechanical Standard front dimension Enclosure height Mounting width per pole Mounting Degree of Protection Terminals top and bottom Terminal capacities Terminal capacities Thickness of busbar material	Characteristic			C
Lifespan Operations > 10000 Direction of incoming supply Polarity dependent Mechanical Standard front dimension mm 45 Enclosure height mm 80 Mounting width per pole mm 17.5 Mounting 15.5 15.6 Mounting 15.0 15.0 Terminals top and bottom 17.0 17.0 Terminal protection 17.0 17.0 Terminal capacities 17.0 17.0 Terminal capacities 17.0 17.0 Imm ² <	Max. back-up fuse		A gL/gG	100
Lifespan operations believe to incoming supply belaiting supply s	Selectivity Class			3
Direction of incoming supply Polarity dependent Mechanical Mm 45 Standard front dimension mm 80 Enclosure height mm 17.5 Mounting width per pole mm 15.0 [EC/EN 60715 top-hat rail] Degree of Protection 1920, IP40 (when fitted) Terminals top and bottom Twin-purpose terminals Terminal protection mm² Finger and back-of-hand proof to BGV A2 Terminal capacities mm² 1 x 25 Imm² 1 x 25 Imm² 2 x 10 Thickness of busbar material mm 0 88 2	lifespan			
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 mm² Finger and back-of-hand proof to BGV A2 Terminal capacities mm² 1 x 25 Image: mm² 2 x 10 Thickness of busbar material mm 0 8 2	Lifespan	Operations		> 10000
Standard front dimensionmm45Enclosure heightmm80Mounting width per polemm17.5MountingIEC/EN 60715 top-hat railDegree of ProtectionIP20, IP40 (when fitted)Terminals top and bottomTwin-purpose terminalsTerminal protectionFinger and back-of-hand proof to BGV A2Terminal capacitiesmm²1 x 25Imm²1 x 25Imm²2 x 10Thickness of busbar materialmm08 2				Polarity dependent
Enclosure height Mounting width per pole Mounting Mounting Degree of Protection Terminals top and bottom Terminal protection Terminal capacities Ter	Mechanical			
Mounting width per pole Mounting Degree of Protection Terminals top and bottom Terminal protection Terminal capacities mm² mm² 17.5 1820/ IP40 (when fitted) Timer and back-of-hand proof to BGV A2 mm² mm² 1x 25 mm² 2x 10 Thickness of busbar material mm 0 88 2	Standard front dimension		mm	45
Mounting Degree of Protection Terminals top and bottom Terminal capacities Terminal ca	Enclosure height		mm	80
Degree of Protection Terminals top and bottom Terminal protection Terminal capacities Terminal capacities Terminal capacities Thickness of busbar material Terminal capacities Terminal capacities Thickness of busbar material Terminal capacities Terminal capacities Thickness of busbar material Terminal capacities Thickness of busbar material	Mounting width per pole		mm	17.5
Terminals top and bottom Terminal protection Terminal capacities Terminal capacities Terminal capacities Terminal capacities Terminal capacities Terminal capacities Thickness of busbar material Terminal capacities Twin-purpose terminals Finger and back-of-hand proof to BGV A2 Thickness of back-of-hand proof to BGV A2 Twin-purpose terminals Towin-purpose terminals Twin-purpose terminals Towin-purpose terminals Towin-pu	Mounting			IEC/EN 60715 top-hat rail
Terminal protection Finger and back-of-hand proof to BGV A2 Terminal capacities mm² 1 x 25 mm² 2 x 10 Thickness of busbar material mm 0.8 2	Degree of Protection			IP20, IP40 (when fitted)
Terminal capacities mm ²	Terminals top and bottom			Twin-purpose terminals
mm ² 1 x 25 mm ² 2 x 10 Thickness of busbar material mm 0.8 2	Terminal protection			Finger and back-of-hand proof to BGV A2
Thickness of busbar material 2 x 10 mm 0.8 2	Terminal capacities		mm^2	
Thickness of busbar material mm 0.8 2			mm^2	1 x 25
			mm^2	2 x 10
Mounting position As required	Thickness of busbar material		mm	0.8 2
	Mounting position			As required

Design verification as per IEC/EN 61439

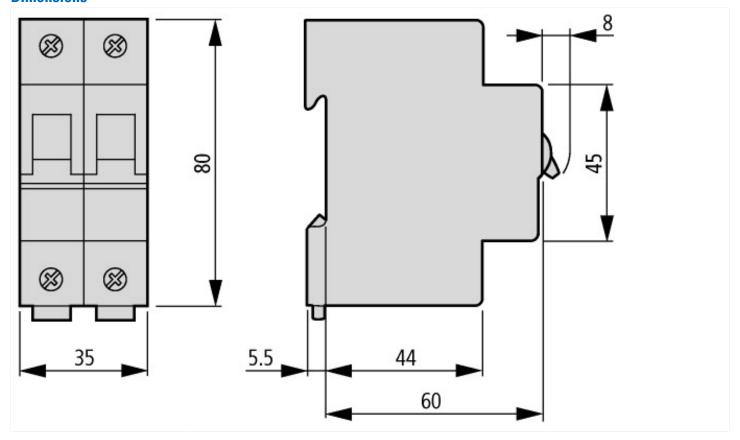
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Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	13
Heat dissipation per pole, current-dependent	P _{vid}	W	0
Equipment heat dissipation, current-dependent	P _{vid}	W	5.3
Static heat dissipation, non-current-dependent	P_{vs}	W	0
Heat dissipation capacity	P _{diss}	W	0
Operating ambient temperature min.		°C	-40

Operating ambient temperature max.	°C	75
		linear, per +1 °C, results in a 0.5% reduction of current carrying capacity

Technical data ETIM 7.0

Connical data ETHM 7.0			
Circuit breakers and fuses (EG000020) / Miniature circuit breaker (MCB) (EC0000	42)		
Electric engineering, automation, process control engineering / Electrical install (ecl@ss10.0.1-27-14-19-01 [AAB905014])	ation, device / Mir	niature cir	rcuit breaker system (MCB) / Miniature circuit breaker (MCB)
Release characteristic			С
Number of poles (total)			2
Number of protected poles			2
Rated current		Α	13
Rated voltage		V	250
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	0
Rated short-circuit breaking capacity Icn EN 60898 at 400 V		kA	0
Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V		kA	10
Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V		kA	10
Voltage type			DC
Frequency		Hz	50 - 60
Current limiting class			3
Suitable for flush-mounted installation			No
Concurrently switching N-neutral			No
Over voltage category			3
Pollution degree			2
Additional equipment possible			Yes
Width in number of modular spacings			2
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

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