# **DATASHEET - FAZ-C6/2-DC**



Miniature circuit breaker (MCB), 6 A, 2p, characteristic: C, DC

Powering Business Worldwide\*

Part no. FAZ-C6/2-DC Catalog No. 279137 Alternate Catalog FAZ-C6/2-DC

No.

**EL-Nummer** 1691503

(Norway)

Similar to illustration

**Delivery program** 

Delivery program			
Basic function			Miniature circuit-breakers
Number of poles			2 pole
Tripping characteristic			С
Application			Switchgear for DC applications
Rated current	In	Α	6
Rated switching capacity acc. to IEC/EN 60947-2	I <sub>cu</sub>	kA	10
Product range			FAZ-DC

# **Technical data**

-			
FI	ect		വ
_	CUI	ч	6ai

Acted operational voltage  Acted switching capacity acc. to IEC/EN 60947-2  Acted switching capacity acc. to IEC/EN 6094-2  Acted switch capacity acc.	Eleculcal			
Rated switching capacity acc. to IEC/EN 60947-2  Characteristic  Max. back-up fuse Selectivity Class Selectivity Class  Operations Lifespan  Lifespan Operations Selectivity dependent  Mounting supply  Mounting width per pole Mounting width per pole Mounting Operations Operat	Standards			EN 45545-2; IEC 61373
Asted switching capacity acc. to IEC/EN 60947-2  Icharacteristic  Max. back-up fuse Selectivity Class Selectivity Class  Idespan  Operations  Infespan  Infespan  Operations  Infespan  Infespan  Operations  Infespan  Infespan  Operations  Infespan  Infespan	Rated operational voltage	U <sub>e</sub>	V	
Characteristic  Max. back-up fuse Selectivity Class Selectivity Class  Iffespan  Lifespan Operations Direction of incoming supply Mechanical  Standard front dimension Enclosure height Mounting Wounting Operations Operati			V DC	250 (per pole)
Max. back-up fuse Selectivity Class Selectivity Class  Idespan  Lifespan  Operations  Foreign of incoming supply  Macchanical  Standard front dimension  Enclosure height Mounting width per pole Mounting Degree of Protection  Ferminals top and bottom  Ferminal capacities  Ferminal capacities  Finickness of busbar material  Mounting  Mo	Rated switching capacity acc. to IEC/EN 60947-2	I <sub>cu</sub>	kA	10
Selectivity Class  ifespan  Lifespan  Operations  Oper	Characteristic			C
Lifespan Operations	Max. back-up fuse		A gL/gG	100
Lifespan Operations > 10000 Direction of incoming supply Polarity dependent  Mechanical  Standard front dimension mm 85 Enclosure height mm 80 Mounting width per pole Mounting width per pole Protection Electron of Protection Electron of Incominals top and bottom Incominal capacities mm² Incomina	Selectivity Class			3
Polarity dependent  Mechanical  Standard front dimension mm 45 Enclosure height mm 80 Mounting width per pole mm 17.5  Mounting Degree of Protection Protection Iteminals top and bottom Iteminal protection I	lifespan			
Mechanical Standard front dimension Enclosure height Mounting width per pole Mounting Degree of Protection Ferminals top and bottom Ferminal capacities  mm²  mm²  mm²  mm²  mm²  mm²  mm²  m	Lifespan	Operations		> 10000
Standard front dimension mm 45 Enclosure height mm 80 Mounting width per pole mm 17.5 Mounting Degree of Protection Iterminals top and bottom Iterminal capacities mm² 1×25 Iterminal capacities mm² 1×25 Iterminal capacities mm² 0.8 2	Direction of incoming supply			Polarity dependent
Enclosure height  Mounting width per pole  Mounting  Mou	Mechanical			
Mounting width per pole  Mounting  Mounting  Degree of Protection  Terminals top and bottom  Terminal protection  Terminal capacities	Standard front dimension		mm	45
Mounting Degree of Protection Perminals top and bottom Ferminal protection Ferminal capacities  mm²  1x 25	Enclosure height		mm	80
Degree of Protection  Ferminals top and bottom  Ferminal protection  Ferminal capacities  Twin-purpose terminals  Finger and back-of-hand proof to BGV A2  Twin-purpose terminals  Finger and back-of-hand proof to BGV A2  Twin-purpose terminals  Finger and back-of-hand proof to BGV A2  Twin-purpose terminals  Finger and back-of-hand proof to BGV A2  Twin-purpose terminals  Finger and back-of-hand proof to BGV A2  Twin-purpose terminals  Finger and back-of-hand proof to BGV A2  Twin-purpose terminals  Finger and back-of-hand proof to BGV A2  Twin-purpose terminals  Finger and back-of-hand proof to BGV A2  Twin-purpose terminals  Finger and back-of-hand proof to BGV A2  Twin-purpose terminals  Finger and back-of-hand proof to BGV A2  Twin-purpose terminals  Finger and back-of-hand proof to BGV A2  Twin-purpose terminals  Finger and back-of-hand proof to BGV A2  Twin-purpose terminals  Finger and back-of-hand proof to BGV A2  Twin-purpose terminals  Finger and back-of-hand proof to BGV A2  Twin-purpose terminals  Finger and back-of-hand proof to BGV A2  Twin-purpose terminals  Finger and back-of-hand proof to BGV A2  Twin-purpose terminals  Finger and back-of-hand proof to BGV A2  Twin-purpose terminals  Finger and back-of-hand proof to BGV A2  Twin-purpose terminals  Finger and back-of-hand proof to BGV A2  Twin-purpose terminals  Finger and back-of-hand proof to BGV A2  Twin-purpose terminals  Finger and back-of-hand proof to BGV A2  Twin-purpose terminals  Finger and back-of-hand proof to BGV A2  Twin-purpose terminals  Finger and back-of-hand proof to BGV A2  Twin-purpose terminals  Finger and back-of-hand proof to BGV A2  Twin-purpose terminals  Finger and back-of-hand proof to BGV A2  Twin-purpose terminals  Finger and back-of-hand proof to BGV A2  Twin-purpose terminals  Finger and back-of-hand proof to BGV A2  Twin-purpose terminals  Finger and back-of-hand proof to BGV A2  Twin-purpose terminals  Finger and back-of-hand proof to BGV A2  Twin-purpose terminals  Finger and back-of-hand proof to BGV A2  Twin-p	Mounting width per pole		mm	17.5
Terminals top and bottom  Terminal protection  Terminal capacities  Twin-purpose terminals  Finger and back-of-hand proof to BGV A2  mm²  1 x 25  mm²  2 x 10  Thickness of busbar material  Twin-purpose terminals  Finger and back-of-hand proof to BGV A2  mm²  0 x 25  mm²  2 x 10  mm 0 .8 2	Mounting			IEC/EN 60715 top-hat rail
Finger and back-of-hand proof to BGV A2  Finger and back-of-hand proof to BGV A2  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 <sup>2</sup> mm <sup>2</sup> 1 x 25 mm <sup>2</sup> 2 x 10  Thickness of busbar material mm 0.8 2	Terminals top and bottom			Twin-purpose terminals
mm <sup>2</sup> 1 x 25 mm <sup>2</sup> 2 x 10 Thickness of busbar material mm 0.8 2	Terminal protection			Finger and back-of-hand proof to BGV A2
mm <sup>2</sup> 2 x 10  Thickness of busbar material mm 0.8 2	Terminal capacities		$\text{mm}^2$	
Thickness of busbar material mm 0.8 2			mm <sup>2</sup>	1 x 25
			$\text{mm}^2$	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

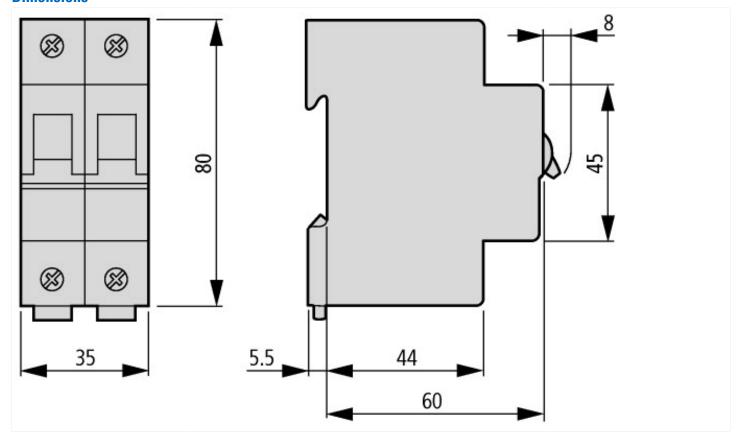
Fechnical data for design verification			
Rated operational current for specified heat dissipation	In	Α	6
Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	0
Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	2.9
Static heat dissipation, non-current-dependent	$P_{vs}$	W	0
Heat dissipation capacity	P <sub>diss</sub>	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

rechnical data ETIM 7.0				
Circuit breakers and fuses (EG000020) / Miniature circuit breaker (MCB) (EC000042	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])				
Release characteristic		С		
Number of poles (total)		2		
Number of protected poles		2		
Rated current	А	6		
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	n 70.5		
Degree of protection (IP)		IP20		
Ambient temperature during operating	°C	-25 - 75		
Connectable conductor cross section multi-wired	mm	n <sup>2</sup> 1 - 25		
Connectable conductor cross section solid-core	mm	n <sup>2</sup> 1 - 25		

# **Dimensions**



# **Additional product information (links)**

Temperature dependency, derating

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