



## Miniature circuit breaker (MCB), 40A, 2p, C-Char, DC current

**Part no.** FAZ-C40/2-DC  
**Catalog No.** 279144  
**Eaton Catalog No.** FAZ-C40/2-DC  
**EL-Nummer (Norway)** 1691507

Similar to illustration

### Delivery program

Basic function			Miniature circuit-breakers
Number of poles			2 pole
Tripping characteristic			C
Application			Switchgear for DC applications
Rated current	$I_n$	A	40
Rated switching capacity acc. to IEC/EN 60947-2		kA	10
Product range			FAZ-DC

### Technical data

#### Electrical

Standards			IEC/EN 60947-2
Rated operational voltage	$U_e$	V	
		V DC	250 (per pole)
Rated switching capacity acc. to IEC/EN 60947-2		kA	10
Characteristic			C
Max. back-up fuse		A gL/gG	100
Selectivity Class			3
Lifespan	Operations		> 10000
Direction of incoming supply			Polarity dependent

#### 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 <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
Mounting position			As required

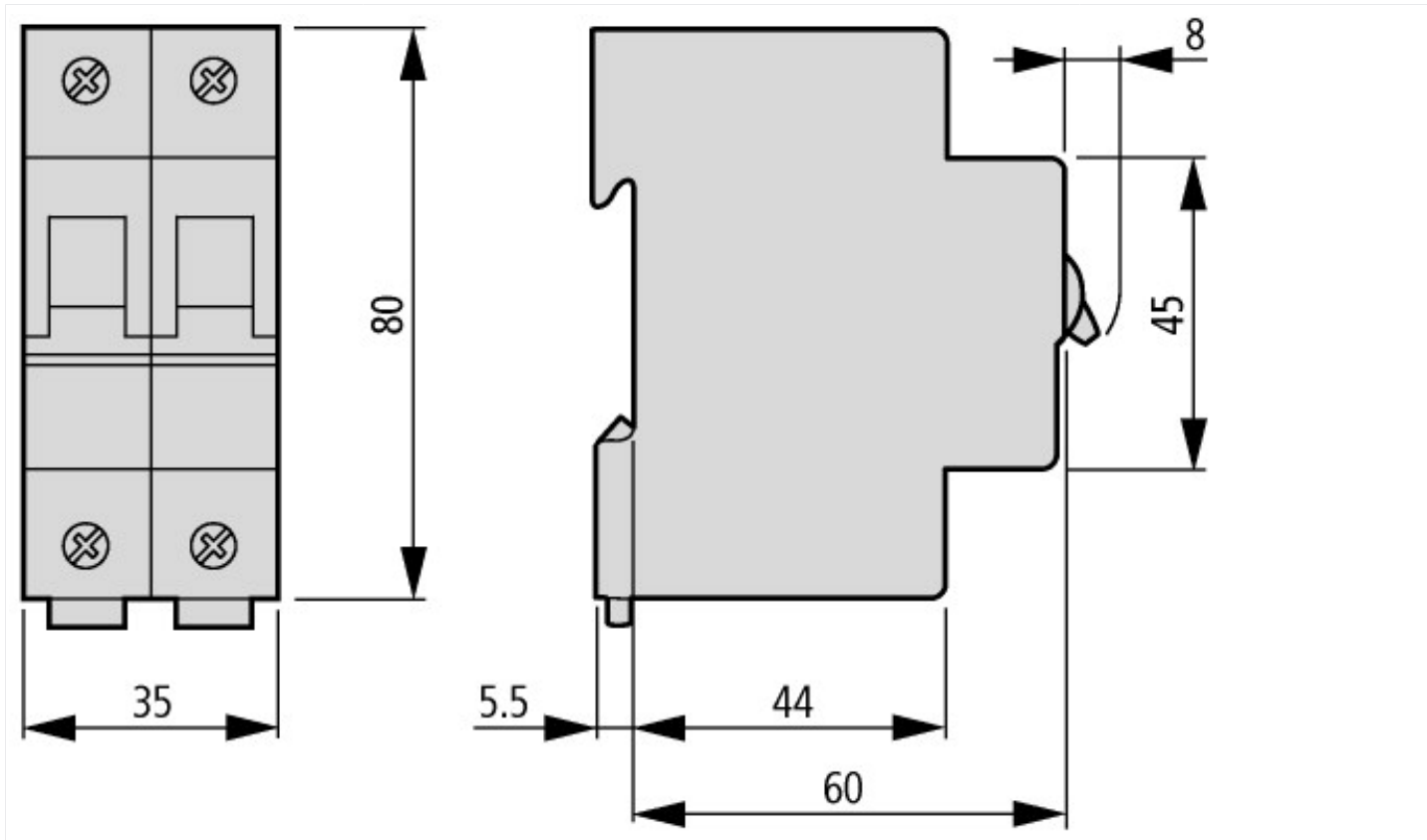
### Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	$I_n$	A	40
Heat dissipation per pole, current-dependent	$P_{vid}$	W	0
Equipment heat dissipation, current-dependent	$P_{vid}$	W	7.5
Static heat dissipation, non-current-dependent	$P_{vs}$	W	0
Heat dissipation capacity	$P_{diss}$	W	0
Operating ambient temperature max.		°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 6.0

Release characteristic		C
Number of poles (total)		2
Number of protected poles		2
Nominal rated current	A	40
Nominal rated voltage	V	250
Rated short-circuit breaking capacity $I_{cn}$ EN 60898 at 230 V	kA	0
Rated short-circuit breaking capacity $I_{cn}$ EN 60898 at 400 V	kA	0
Rated short-circuit breaking capacity $I_{cu}$ IEC 60947-2 at 230 V	kA	10
Rated short-circuit breaking capacity $I_{cu}$ IEC 60947-2 at 400 V	kA	10
Voltage type		DC
Current limiting class		3
Frequency	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		2
Built-in depth	mm	70.5
Additional equipment possible		Yes
Degree of protection (IP)		IP20

## Dimensions



## Additional product information (links)

### AWA1220-1755 Circuit-breaker

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[ftp://ftp.moeller.net/DOCUMENTATION/AWA\\_INSTRUCTIONS/17550701.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/17550701.pdf)