



Residual current circuit-breaker, 40A, 4p, 3A, B-Char

Part no. FI-40/4/03-B
Catalog No. 279173

Similar to illustration

Delivery program

Basic function			Residual current circuit-breakers
Number of poles			4 pole
Rated current	I_n	A	40
Rated short-circuit strength	I_{cn}	kA	10
Rated fault current	$I_{\Delta N}$	A	0.3
Type			Type B
Tripping		s...	non-delayed
Product range			FI
Sensitivity			All current sensitive
Impulse withstand current			Surge-proof, 3 kA
Contact sequence			

Technical data

Electrical

Standards			IEC/EN 61008
Tripping		s...	non-delayed
Rated operating voltage	U_e	V AC	230/400
Limit values of the operating voltage		V AC	184 ... 440
Rated frequency	f	Hz	50
Rated fault currents	$I_{\Delta n}$	mA	30, 100, 300, 500
Rated non-tripping current	$I_{\Delta no}$		$0.5 \times I_{\Delta n}$
Rated fault switching capacity			
Rated fault switching capacity	$I_{\Delta m}$	A	$I_n = 40 \text{ A: } 500$ $I_n = 63 \text{ A: } 630$ $I_n = 80 \text{ A: } 800$ $I_n = 100 \text{ A: } 1000$ $I_n = 125 \text{ A: } 1250$
Sensitivity			Pulsed current and AC/DC
Rated switching capacity	I_{cn}	kA	10
Rated current	I_e	A	40
Rated impulse withstand voltage	U_{imp}	kV	4
Maximum max. as short-circuit protective device		A gL	$I_n < 80 \text{ A: } 100$ $I_n = 80 \text{ A: } 125$ $I_n = 125 \text{ A: } 125$
Lifespan		S	
Electrical		Operations	2000
Mechanical		Operations	5000

Mechanical

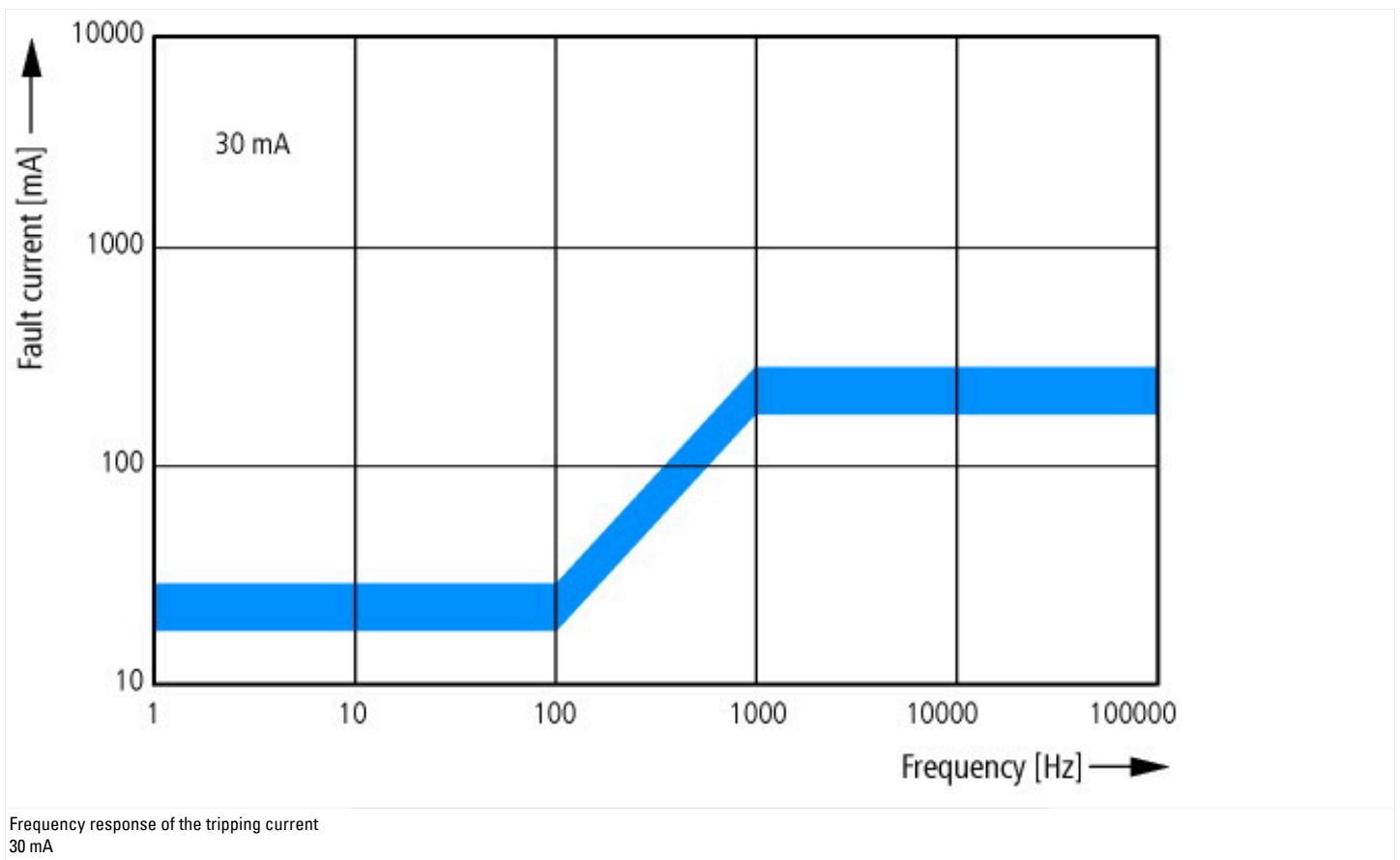
Standard front dimension		mm	45
Enclosure height		mm	85

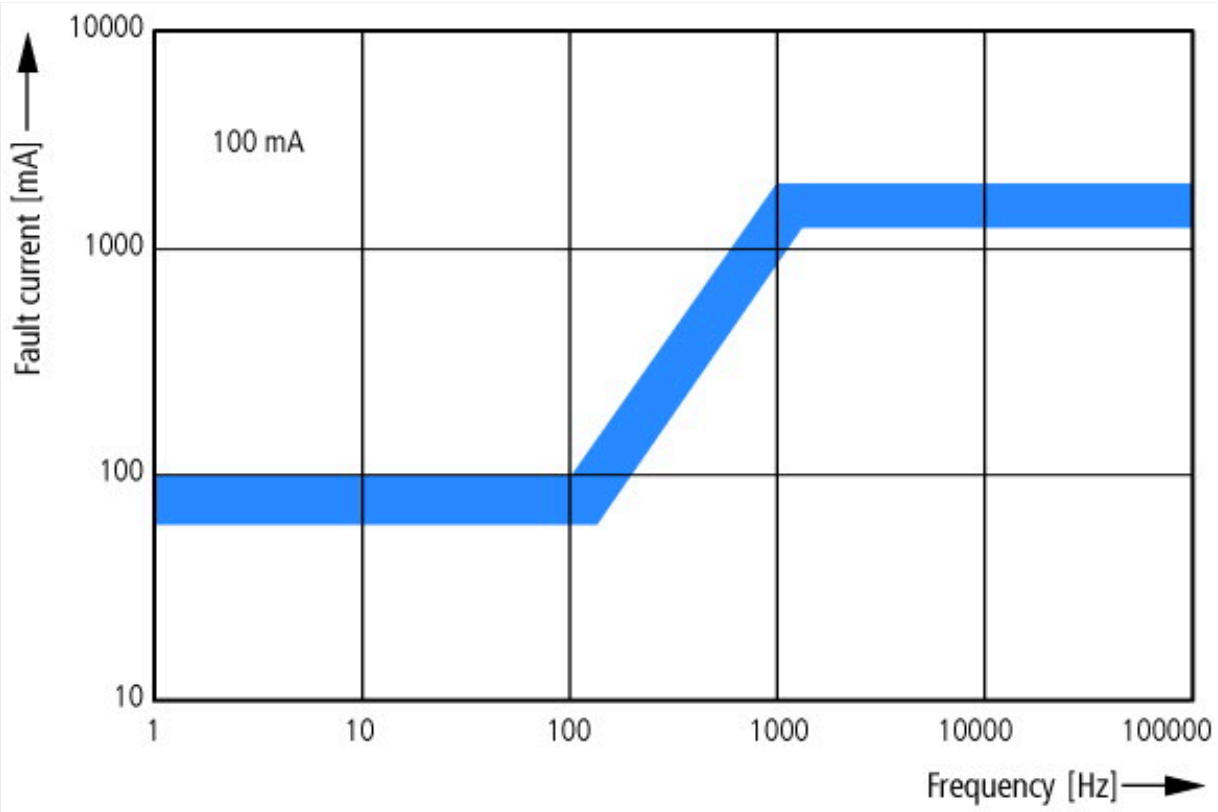
Terminal protection			Protection against electric shock to IEC 536
Mounting width		mm	70 (4 space unit)
Mounting			Top-hat rail IEC/EN 60715
Degree of protection			
Integrated			IP40
Terminals top and bottom			Twin-purpose terminals
Terminal capacities		mm ²	
Solid		mm ²	1.5 - 50; 2 x (1.5 - 16)
Stranded		mm ²	1.5 - 50; 2 x (1.5 - 16)
flexible		mm ²	1.5 - 50; 2 x (1.5 - 16)
Thickness of busbar material		mm	0.8 ... 2
Admissible ambient temperature range		°C	-25 ... +40
Climatic proofing			IEC/EN 61008

Design verification as per IEC/EN 61439

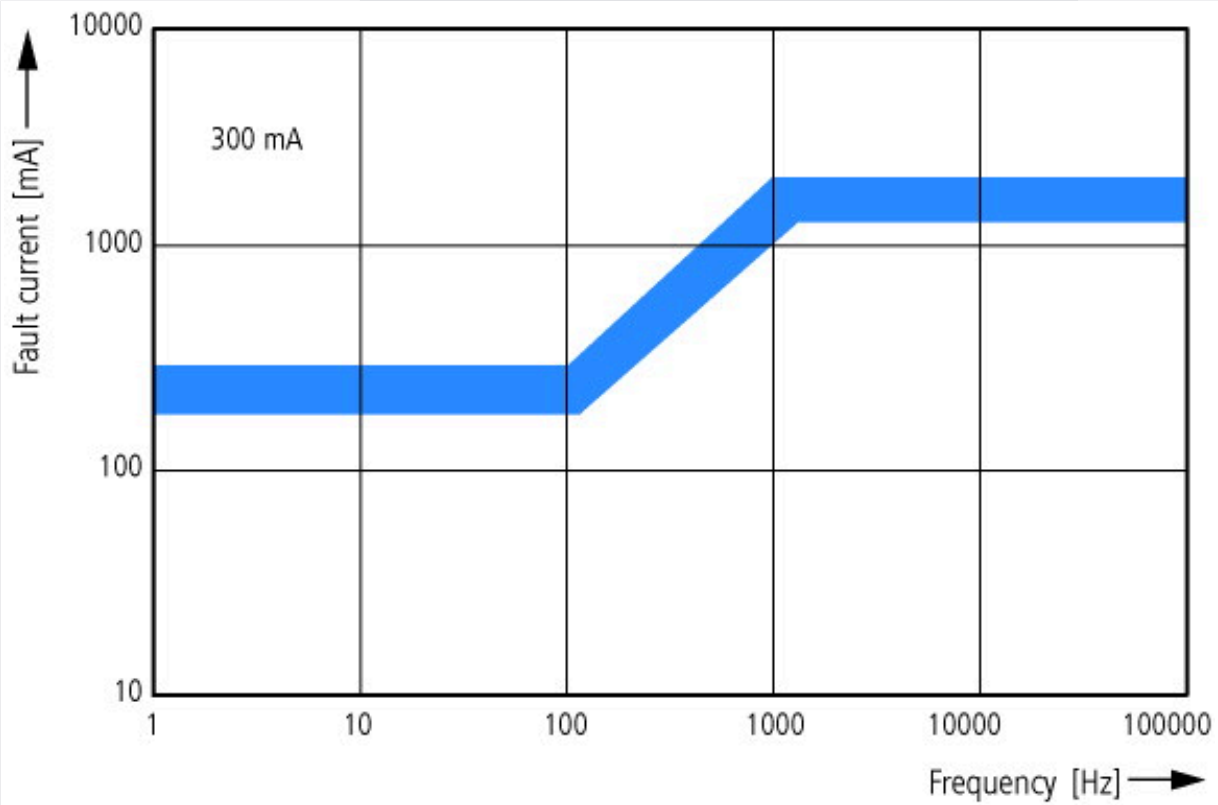
Technical data for design verification			
Rated operational current for specified heat dissipation	I_n	A	40
Heat dissipation per pole, current-dependent	P_{vid}	W	0
Equipment heat dissipation, current-dependent	P_{vid}	W	8.4
Static heat dissipation, non-current-dependent	P_{vs}	W	0
Heat dissipation capacity	P_{diss}	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	55
			Starting at 40 °C, the max. permissible continuous current decreases by 3% for every 1 °C

Characteristics



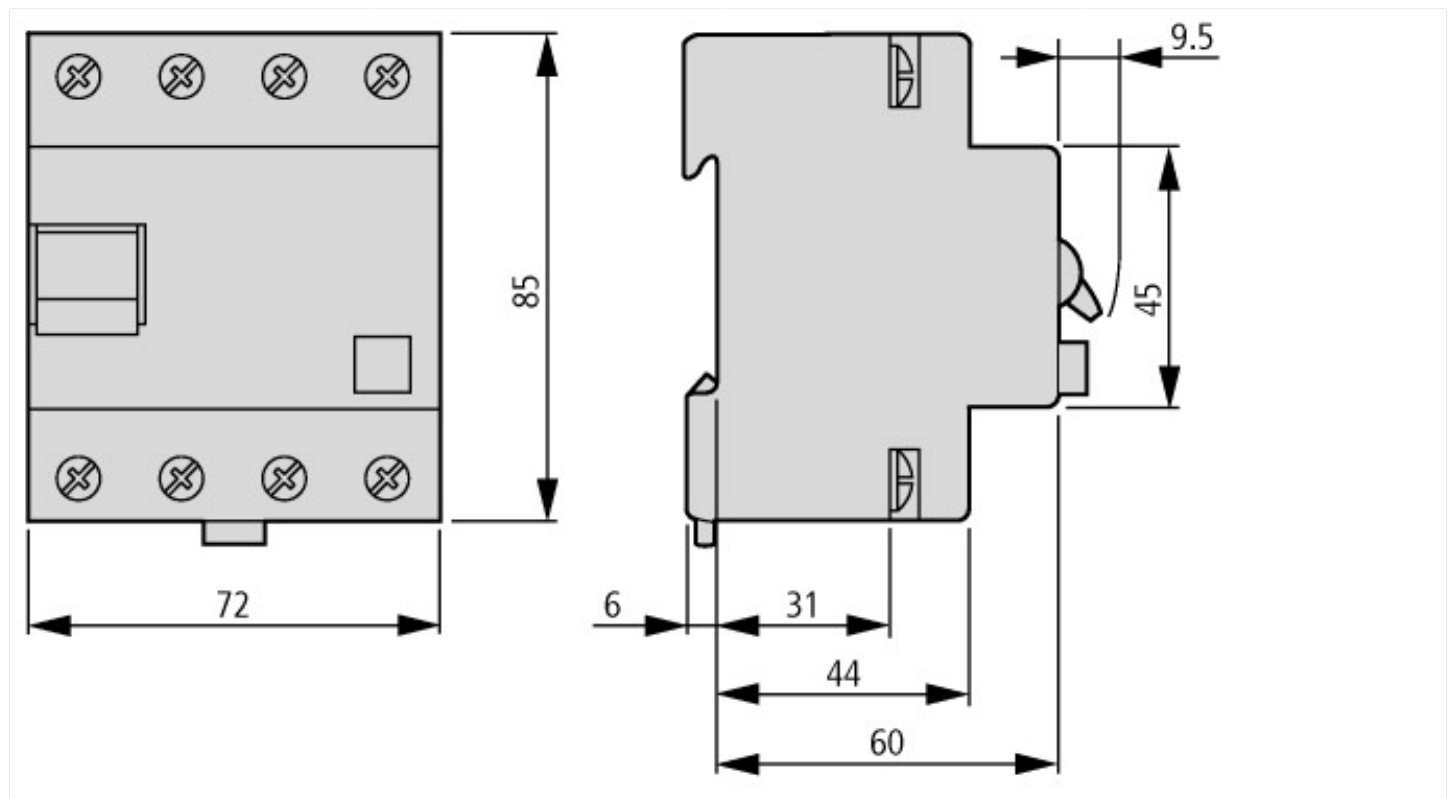


Frequency response
100 mA



Frequency response
300 mA

Dimensions



Additional product information (links)

AWA1290-1756 Residual-current-circuit-breaker

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ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/17560403.pdf