



**Residual current circuit-breaker, 63A, 4p, 3A, B-Char**

**Part no.** FI-63/4/03-B  
**Catalog No.** 279174

Similar to illustration

**Delivery program**

Basic function			Residual current circuit-breakers
Number of poles			4 pole
Rated current	$I_n$	A	63
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	63
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**

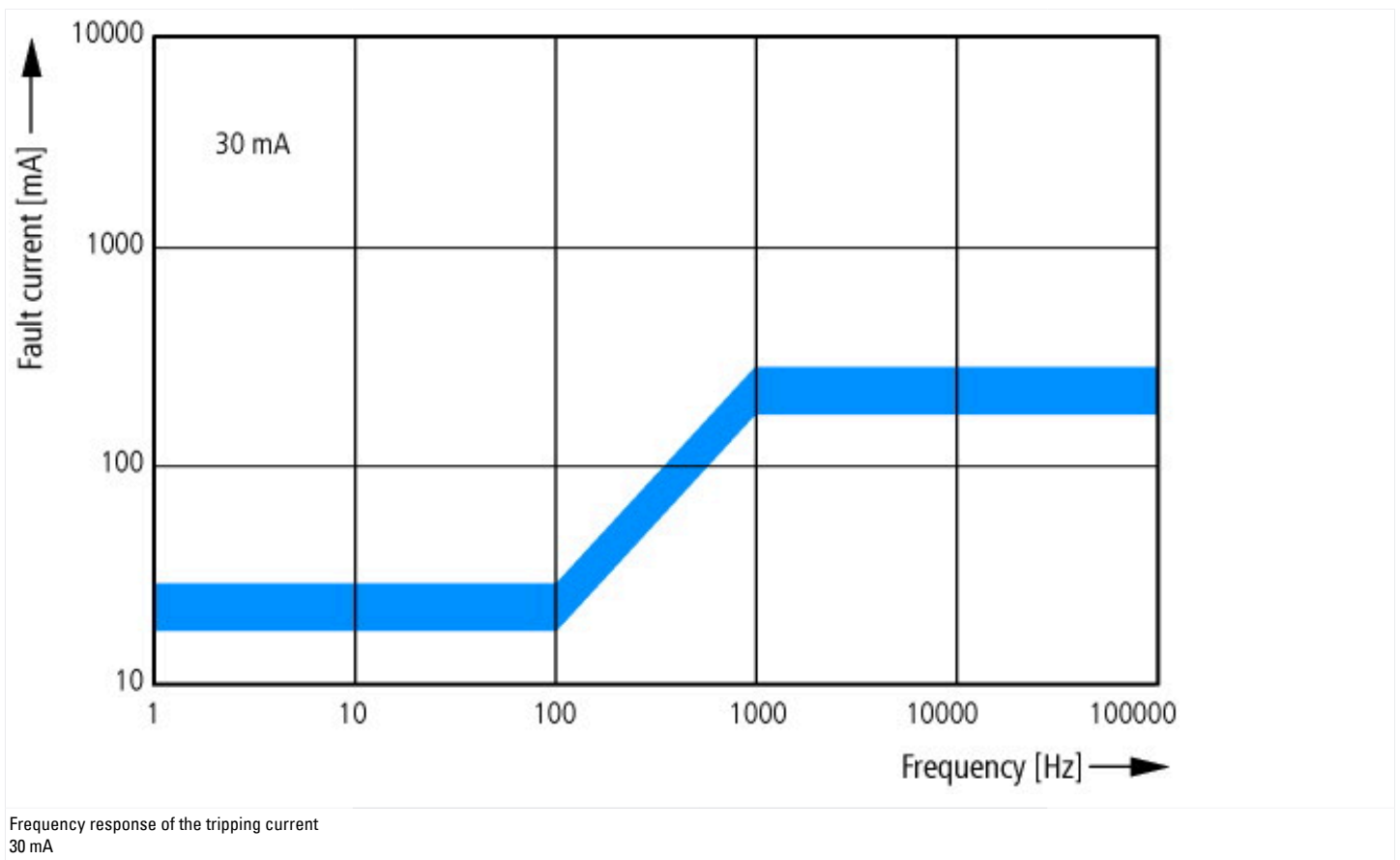
Standard front dimension		mm	45
Enclosure height		mm	85

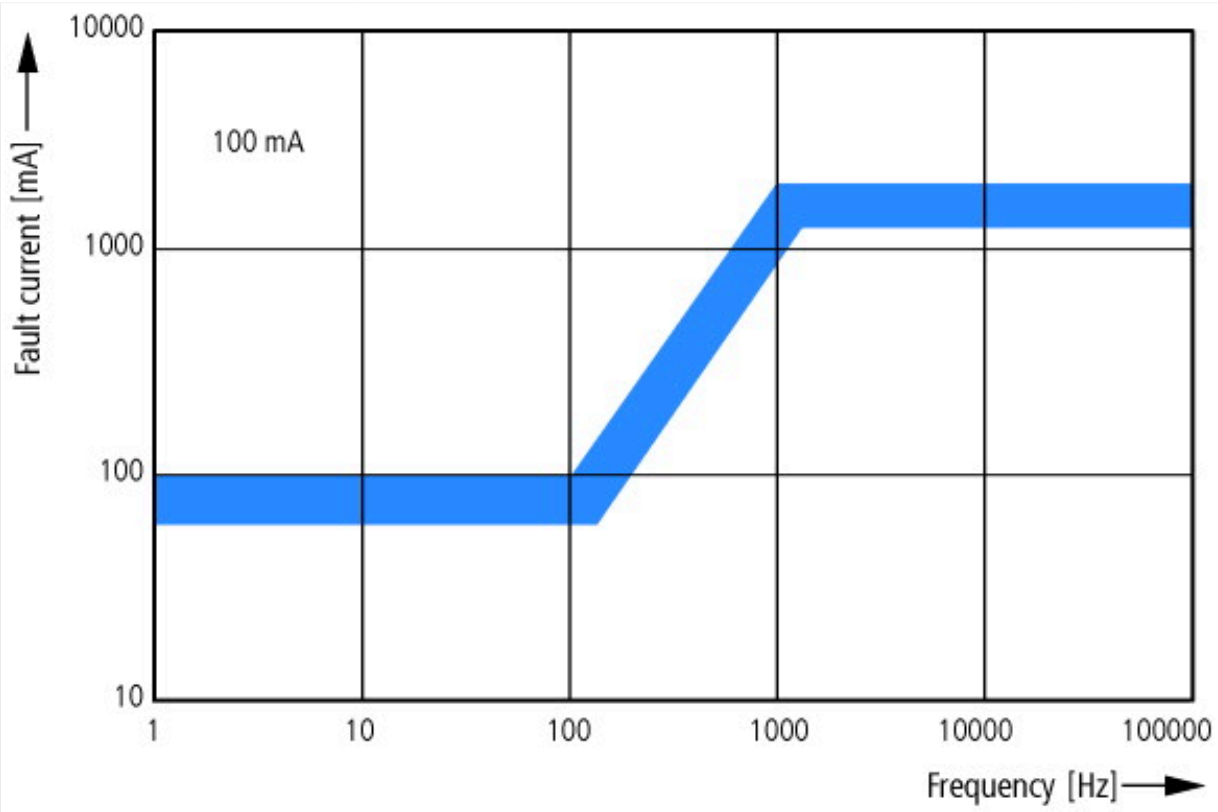
Terminal protection			Protection against electric shock to IEC 536
Mounting width		mm	70 (4 space unit)
Mounting			Top-hat rail IEC/EN 60715
Degree of protection			
Integrated			IP40
Terminals top and bottom			Twin-purpose terminals
Terminal capacities		mm <sup>2</sup>	
Solid		mm <sup>2</sup>	1.5 - 50; 2 x (1.5 - 16)
Stranded		mm <sup>2</sup>	1.5 - 50; 2 x (1.5 - 16)
flexible		mm <sup>2</sup>	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

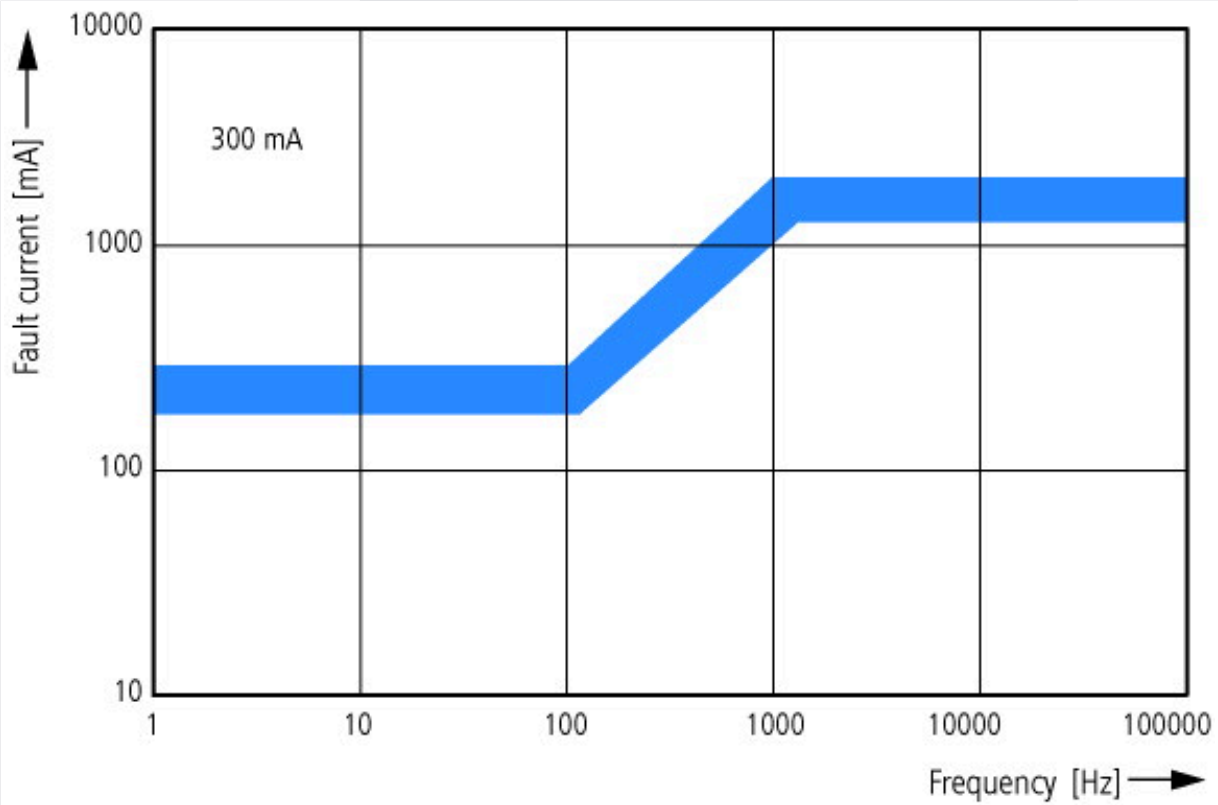
Technical data for design verification			
Rated operational current for specified heat dissipation	$I_n$	A	63
Heat dissipation per pole, current-dependent	$P_{vid}$	W	0
Equipment heat dissipation, current-dependent	$P_{vid}$	W	10.5
Static heat dissipation, non-current-dependent	$P_{vs}$	W	0
Heat dissipation 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



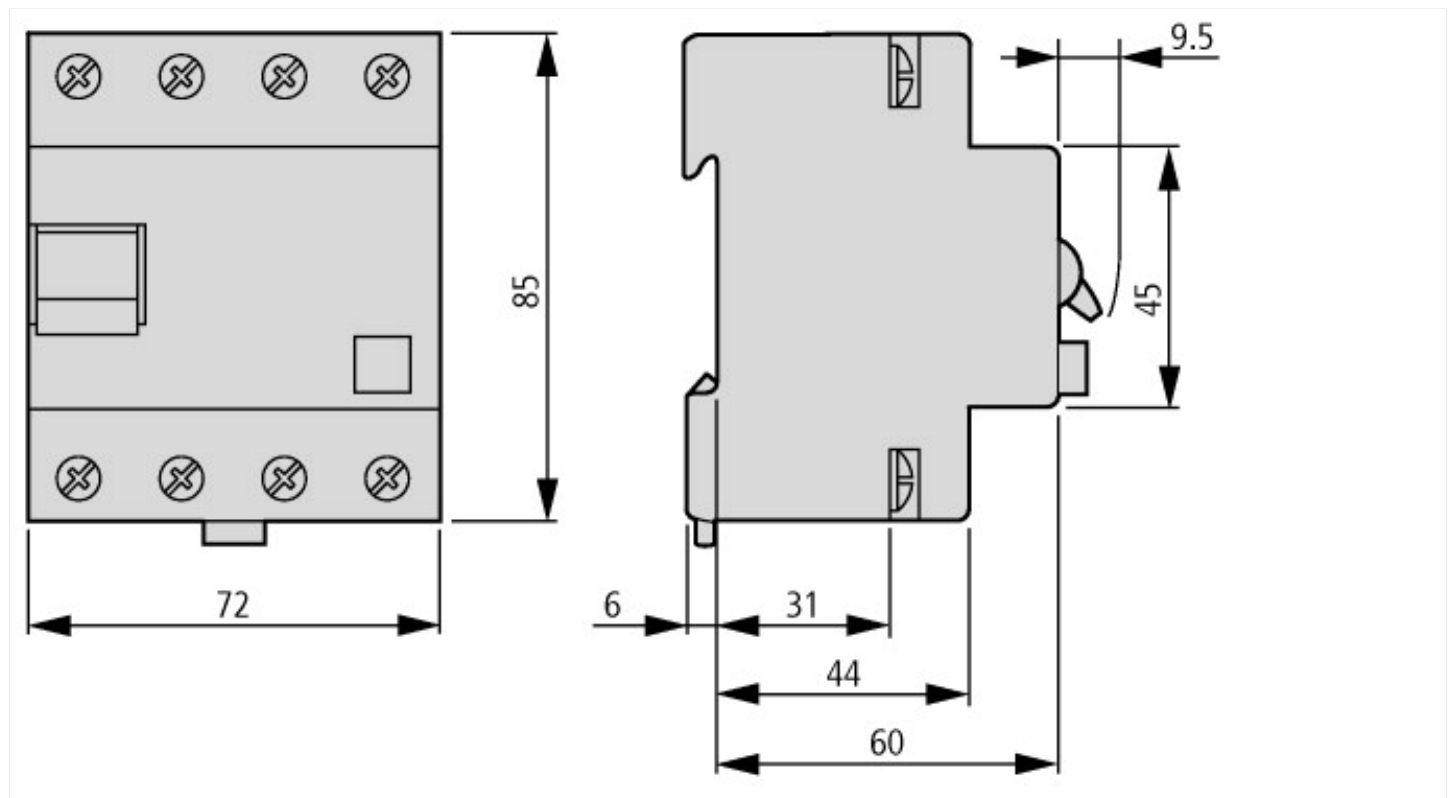


Frequency response  
100 mA



Frequency response  
300 mA

## Dimensions



## Additional product information (links)

### AWA1290-1756 Residual-current-circuit-breaker

AWA1290-1756 Residual-current-circuit-breaker

[ftp://ftp.moeller.net/DOCUMENTATION/AWA\\_INSTRUCTIONS/17560403.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/17560403.pdf)