



## Residual current circuit-breaker, 125A, 4p, 5A, A-Char

**Part no.** FI-125/4/05-A  
**Article no.** 279169

Similar to illustration

### Delivery program

Basic function			Residual current circuit breakers
Number of poles			4 pole
Rated current	$I_n$	A	125
Rated short-circuit strength	$I_{cn}$	kA	10
Rated fault current	$I_{\Delta N}$	A	0.1
Type			Type A
Tripping		A	non-delayed
Product range			FI
Sensitivity			AC and pulsating DC current sensitive
Impulse withstand current			Partly surge-proof 250 A

### Technical data

#### Electrical

Standards			IEC/EN 61008
Tripping		A	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	125
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

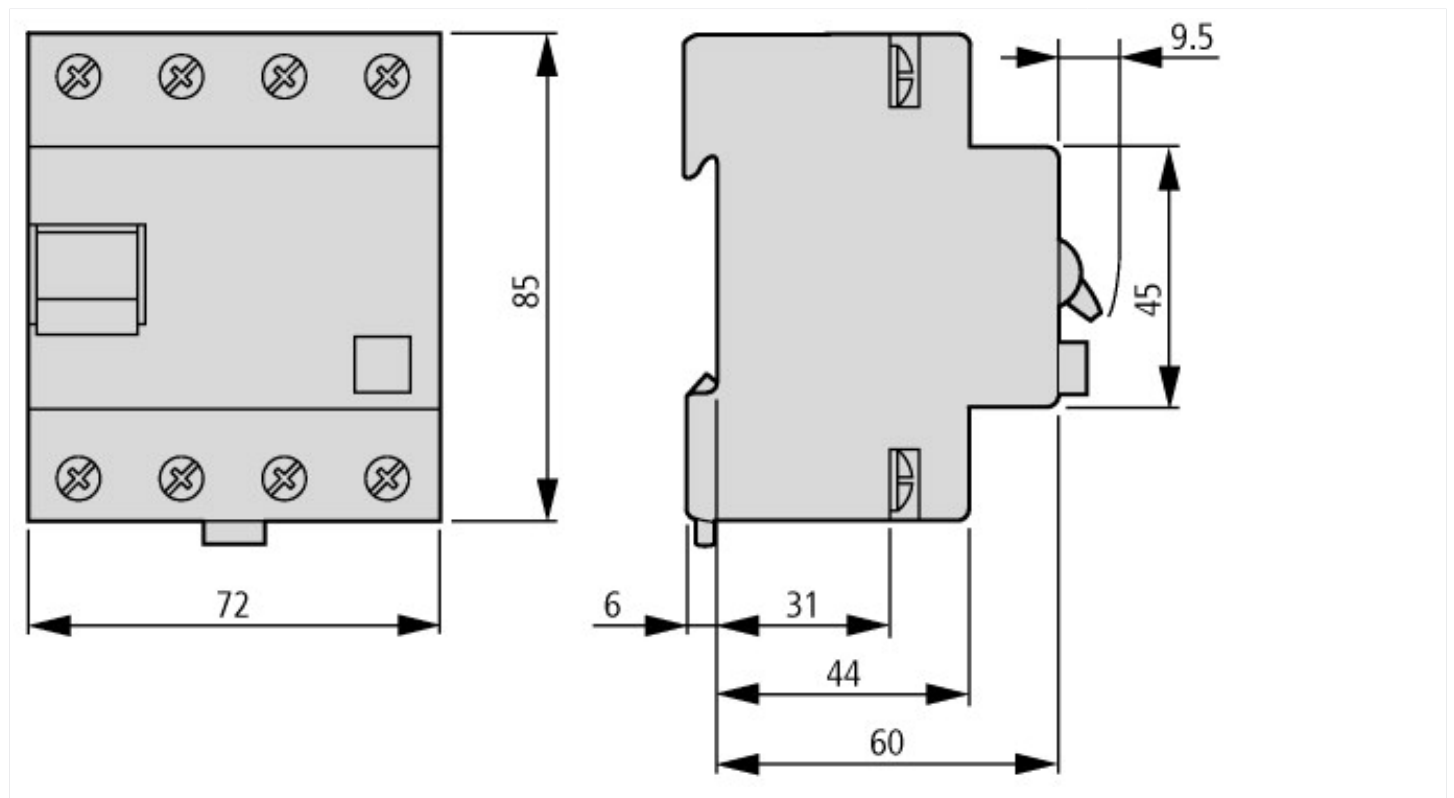
## Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	I <sub>n</sub>	A	125
Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	0
Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	27
Static heat dissipation, non-current-dependent	P <sub>vs</sub>	W	0
Heat dissipation capacity	P <sub>diss</sub>	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

## Technical data ETIM 6.0

Circuit breakers and fuses (EG000020) / Residual current circuit breaker (RCCB) (EC000003)			
Electric engineering, automation, process control engineering / Electrical installation, device / Residual current protection system / Residual current circuit breaker (RCCB) (ecI@ss8.1-27-14-22-01 [AAB906011])			
Number of poles			4
Nominal rated voltage		V	400
Nominal rated current		A	125
Rated fault current		A	0.5
Mounting method			DIN rail
Leakage current type			A
Selective protection			No
Short-circuit breaking capacity (I <sub>cw</sub> )		kA	10
Surge current capacity		kA	0.25
Frequency			50 Hz
Additional equipment possible			Yes
Degree of protection (IP)			IP20
Construction size (in accordance with DIN 43880)			1
Width in number of modular spacings			4
Built-in depth		mm	69.5
Short-time delayed tripping			No

## 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)