



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

Part no.
Catalog No.

FI-40/4/03-S/B
281022

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 S/B
Tripping		s...	selective switch off
Product range			FI
Sensitivity			All current sensitive
Impulse withstand current			surge-proof 5 kA
Contact sequence			

Technical data

Electrical

Standards			IEC/EN 61008
Tripping		s...	selective switch off
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

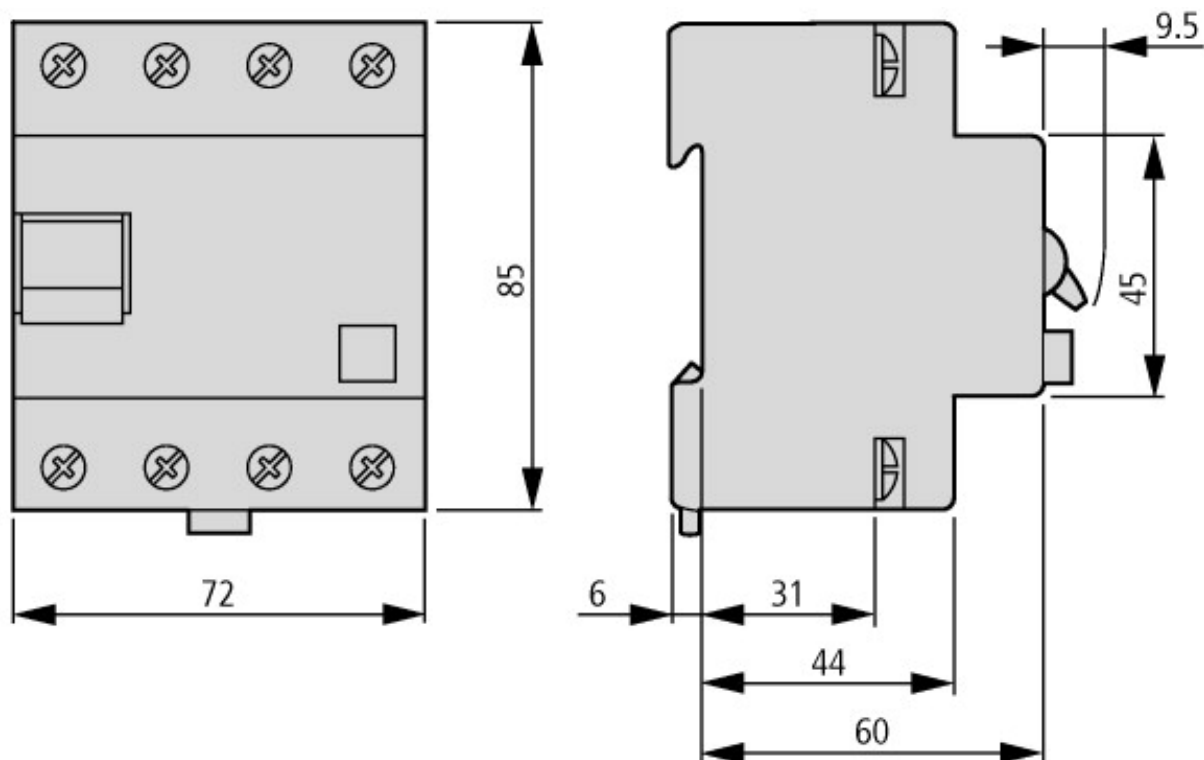
Standard front dimension	mm	45
Enclosure height	mm	85

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

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	40
Rated fault current	A	0.3
Mounting method		DIN rail
Leakage current type		B
Selective protection		Yes
Short-circuit breaking capacity (I _{cn})	kA	10
Surge current capacity	kA	5
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		Yes

Dimensions



Additional product information (links)

AWA1290-1756 Residual-current-circuit-breaker

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