



## Residual-current circuit-breaker

Part no.

FI-40/4/003-A

Article no.

279217



### Delivery programme

Range			FI residual-current circuit-breakers
Basic function			Residual current devices
Application			Rated fault current $I_{\Delta N} = 30 \text{ mA}$
Switching capacity			Switching capacity 10 kA
Rated current	$I_n$	A	40
Pole			4 pole
Contact sequence			

### Electrical

Standards			IEC/EN 61008
Tripping		A	Non-delayed, S
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			$0.5 \times I_{\Delta n}$
Rated fault switching capacity			
Rated fault switching capacity	$I_{\Delta m}$	A	$I_n = 16 \dots 40 \text{ A}: 500$ $I_n = 63 \text{ A}: 630$ $I_n = 80 \text{ A}: 800$ $I_n = 100 \text{ A}: 1000$
Sensitivity			DC and pulsed current
Rated switching capacity	$I_{cn}$	kA	10
Rated current	$I_e$	A	16 ... 100
Rated impulse withstand voltage	$U_{imp}$	kV	6
Maximum max. as short-circuit protective device		A gL	$I_n = 16 \dots 63 \text{ A}: 63$ $I_n = 80 \text{ A}: 80$ $I_n = 100 \text{ A}: 100$
Lifespan		S	
Electrical		Operations	> 4000
Mechanical		Operations	> 20000

### Mechanical

Standard front dimension		mm	45
Enclosure height		mm	80
Terminal protection			Protection against electric shock to IEC 536
Mounting width		mm	35 (2 space unit), 70 (4 space units)
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 ... 35
flexible		mm <sup>2</sup>	2 x 16

Thickness of busbar material	mm	0.8 ... 2
Admissible ambient temperature range	°C	-25 ... +40
Climatic proofing		IEC/EN 61008

## Technische Daten nach ETIM 4.0

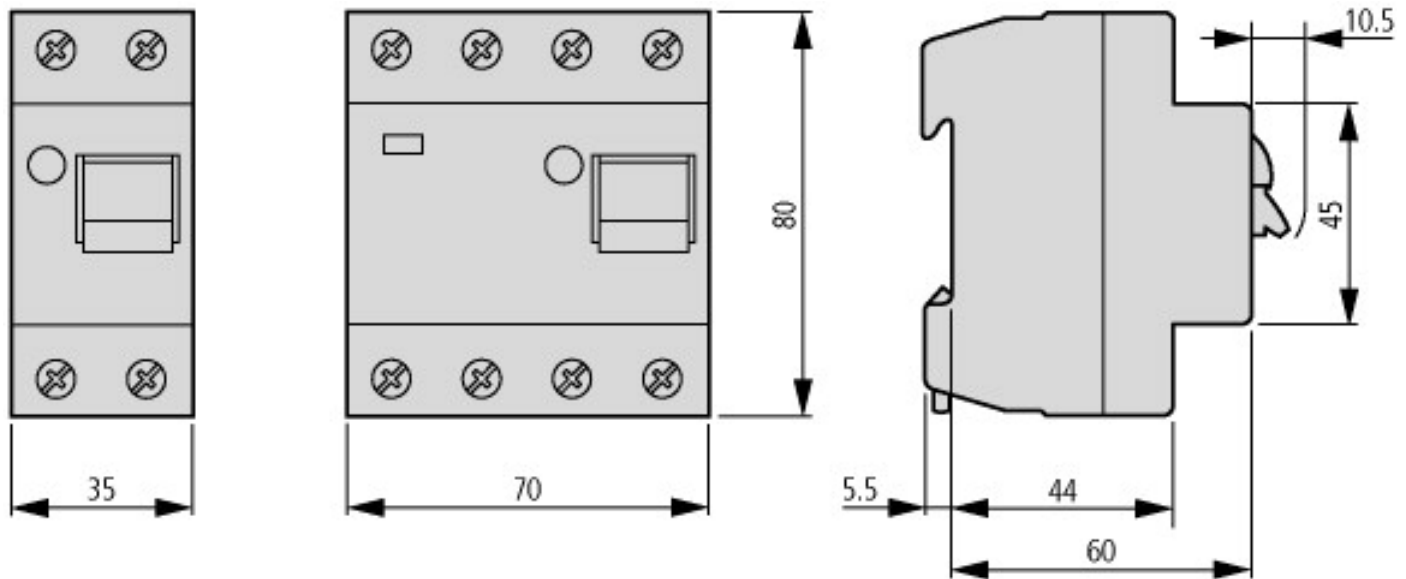
Protection type (IP)		IP20
Short-time delayed type		false
Width in space units		4
Size (according to DIN 43880)		1
Impulse withstand current	kA	0.25 kA
Rated switching capacity	kA	0.5 kA
Short-circuit strength (I <sub>cw</sub> )	kA	10 kA
Selective type		false
Fault current type		A
Rated fault current	A	0.03 A
Number of poles		4
Rated voltage	V	400 V
Rated current	A	40 A
Mounting depth	mm	69.5 mm
Frequency	Hz	50 Hz
Mounting type		DIN busbar (REG)
Additional equipment possible		true

## CAD-Daten

Product standards CAD data:

<http://eaton-moeller.partcommunity.com>

## Dimensions



## Additional product information (links)

AWA1290-1756 (IL01101001Z) Residual current device

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