



Residual-current circuit-breaker

Part no.

FI-40/2/003-A

Article no.

279187



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			2 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 ²	
Solid		mm ²	1.5 ... 35

flexible		mm ²	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

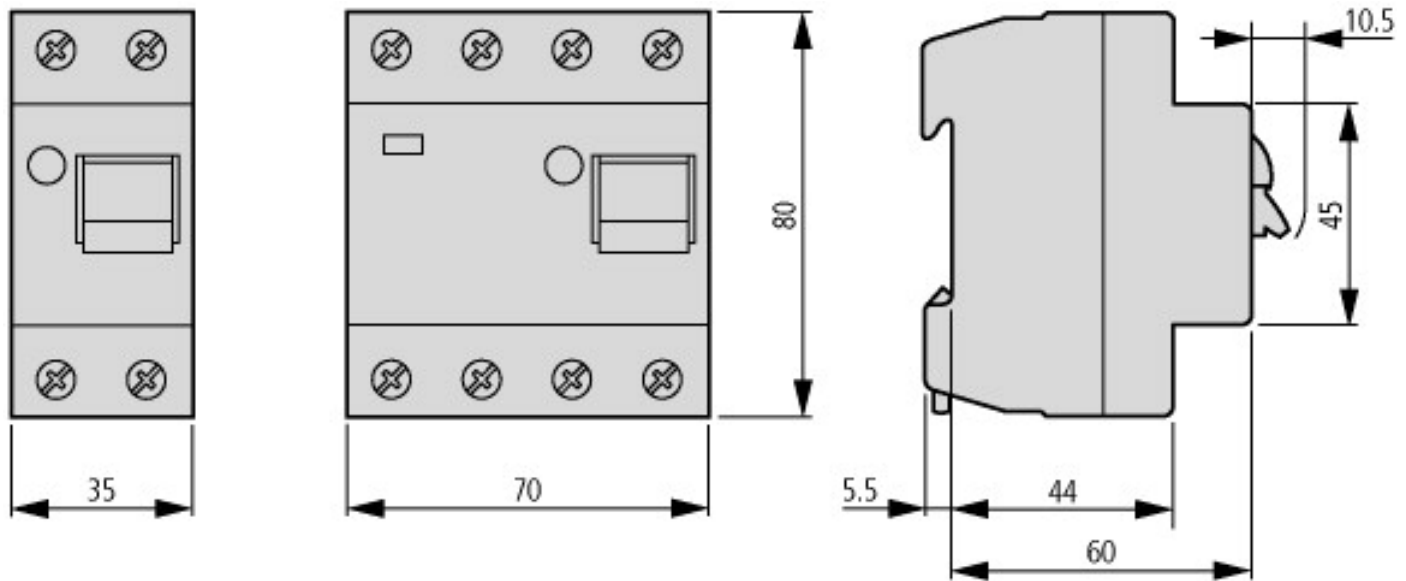
Protection type (IP)			IP20
Short-time delayed type			false
Width in space units			2
Size (according to DIN 43880)			1
Impulse withstand current		kA	0.25 kA
Rated switching capacity		kA	0.5 kA
Short-circuit strength (I _{cw})		kA	10 kA
Selective type			false
Fault current type			A
Rated fault current		A	0.03 A
Number of poles			2
Rated voltage		V	230 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