



MID Series Residual Current Circuit Breaker

Application

Standard	Confirming to IEC61008-1
Protection	Ground fault
Rated current, In	16,25,32,40,63,80,100A
Number of poles	2(1+N),4(3+N)pole
Rated sensitivity currents, IΔn	10,30,100mA
Rated residual non-operating current	0.5 X I Δ n
Rated impulse withstand voltage Uimp	6000V
Rated voltages	2pole: 240VAC 4pole: 240/415VAC
Residual current off-time at IΔn	$\leq 0.1s$
Rated residual current making & breaking capacity, IΔmA	500A for In=16,25,32,40A 630A for In=63,80,100A
Rated conditional short-circuit current, Inc	6kA
Type of trip	Electro-magnetic release
Type of terminal	Pin type
Terminal capacity	Cables up to 35mm ²
Degree of protection	IP20
Installation	35mm DIN rail
Slot size	45mm

1. Life

In	Operating cycles		Operation frequency (operations/h)
	On-load operating cycles	Off-load operating cycles	
16, 25, 32	2000	2000	240
40, 63, 80, 100	2000	1000	120

2. Breaking time of residual current

In A	I Δ n(A)	Breaking time of residual current(I Δ n is ratings following)				
		I Δ n	2I Δ n	5I Δ n	5A,10A, 20A, 50A, 100A, 200A, 500A	Max. Breaking time
16,25,32,40,63,80,100	0.03,0.1,0.3	0.1s	0.08s	0.04s	0.04s	

3. Wiring

The suitable conductors should be used for connection, see table below for relative parameters.

Rated current In(A)	Cross section area of lead (mm ²)	Tightening torque(N·m)
16	2.5	2.5
25	4	2.5
32	6	2.5
40	10	2.5
63	16	2.5
80	25	2.5
100	35	2.5

4. Features

- Without auxiliary power supply, the product is designed with strong immunity and extending protection range against residual current
- With higher rated ultimate short circuit, up to 6KA
- High reliable operation thanks to special design terminals
- Even under the pollution environment, the working reliability of the product will never be changed
- Enclosure and functional parts made from imported plastics with flame-retardant, heat-resistant, and impulse-proof properties
- Convenient mounting
- More flexible and reliable operation with a handle
- With contactor condition indicator.

5. Overall and mounting dimensions

