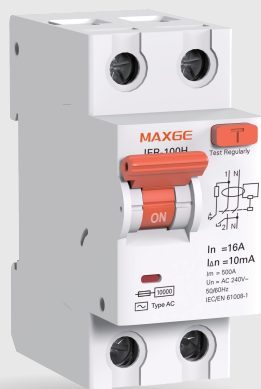


IER - 100H Series	Residual Current Circuit Breaker
Standard	IEC/EN 61008-1
Rated conditional short-circuit current(kA)	6,10
Rated current(A),I _n	16/25/40/63/80/100
Number of poles	2P(1P+N),4P(3P+N)
Rated sensitivity currents(mA),I _{Δn}	10,30,100,300
Rated making and breaking capacity	500A or 10 × I _n
Rated impulse withstand voltage U _{imp} (kV)	4
Rated voltage(V)	2pole AC 240
	4pole AC 415
Ambient temperature (°C)	-25~+40,Max.95%humidity
Environment temperature(°C)	-40°C~+60°C
Rated residual current making & breaking capacity, I _{Δm}	500A for I _n =16,25,40A 630A for I _n =63A 800A for I _n =80A 1000A for I _n =100A
Type of trip	Electro-magnetic release
Terminal capacity	Cables up to 35mm ²
Protection degree	IP20
Installation	35mm DIN rail

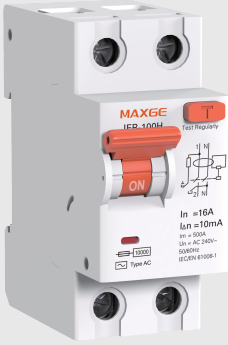



IER-100H-2P



IER-100H-4P

IER - 100H Series Residual Current Circuit Breaker

	Rated current(A)	$I_{\Delta n}$	Type AC	Type A	Type A+S	Packing unit
 <p style="text-align: center;">IER-100H-2P</p>	16	10mA	IER-100/2/16/10	IER-100/2/16/10-A	IER-100/2/16/10-A-S	6
	25		IER-100/2/25/10	IER-100/2/25/10-A	IER-100/2/25/10-A-S	
	16	30mA	IER-100/2/16/30	IER-100/2/16/30-A	IER-100/2/16/30-A-S	
	25		IER-100/2/25/30	IER-100/2/25/30-A	IER-100/2/25/30-A-S	
	40		IER-100/2/40/30	IER-100/2/40/30-A	IER-100/2/40/30-A-S	
	63		IER-100/2/63/30	IER-100/2/63/30-A	IER-100/2/63/30-A-S	
	80		IER-100/2/80/30	IER-100/2/80/30-A	IER-100/2/80/30-A-S	
	100		IER-100/2/100/30	IER-100/2/100/30-A	IER-100/2/100/30-A-S	
	16	100mA	IER-100/2/16/100	IER-100/2/16/100-A	IER-100/2/16/100-A-S	
	25		IER-100/2/25/100	IER-100/2/25/100-A	IER-100/2/25/100-A-S	
	40		IER-100/2/40/100	IER-100/2/40/100-A	IER-100/2/40/100-A-S	
	63		IER-100/2/63/100	IER-100/2/63/100-A	IER-100/2/63/100-A-S	
	80		IER-100/2/80/100	IER-100/2/80/100-A	IER-100/2/80/100-A-S	
	100		IER-100/2/100/100	IER-100/2/100/100-A	IER-100/2/100/100-A-S	
	16	300mA	IER-100/2/16/300	IER-100/2/16/300-A	IER-100/2/16/300-A-S	
	25		IER-100/2/25/300	IER-100/2/25/300-A	IER-100/2/25/300-A-S	
	40		IER-100/2/40/300	IER-100/2/40/300-A	IER-100/2/40/300-A-S	
	63		IER-100/2/63/300	IER-100/2/63/300-A	IER-100/2/63/300-A-S	
80	IER-100/2/80/300		IER-100/2/80/300-A	IER-100/2/80/300-A-S		
100	IER-100/2/100/300		IER-100/2/100/300-A	IER-100/2/100/300-A-S		
 <p style="text-align: center;">IER-100H-4P</p>	16	10mA	IER-100/4/16/10	IER-100/4/16/10-A	IER-100/4/16/10-A-S	3
	25		IER-100/4/25/10	IER-100/4/25/10-A	IER-100/4/25/10-A-S	
	16	30mA	IER-100/4/16/30	IER-100/4/16/30-A	IER-100/4/16/30-A-S	
	25		IER-100/4/25/30	IER-100/4/25/30-A	IER-100/4/25/30-A-S	
	40		IER-100/4/40/30	IER-100/4/40/30-A	IER-100/4/40/30-A-S	
	63		IER-100/4/63/30	IER-100/4/63/30-A	IER-100/4/63/30-A-S	
	80		IER-100/4/80/30	IER-100/4/80/30-A	IER-100/4/80/30-A-S	
	100		IER-100/4/100/30	IER-100/4/100/30-A	IER-100/4/100/30-A-S	
	16	100mA	IER-100/4/16/100	IER-100/4/16/100-A	IER-100/4/16/100-A-S	
	25		IER-100/4/25/100	IER-100/4/25/100-A	IER-100/4/25/100-A-S	
	40		IER-100/4/40/100	IER-100/4/40/100-A	IER-100/4/40/100-A-S	
	63		IER-100/4/63/100	IER-100/4/63/100-A	IER-100/4/63/100-A-S	
	80		IER-100/4/80/100	IER-100/4/80/100-A	IER-100/4/80/100-A-S	
	100		IER-100/4/100/100	IER-100/4/100/100-A	IER-100/4/100/100-A-S	
	16	300mA	IER-100/4/16/300	IER-100/4/16/300-A	IER-100/4/16/300-A-S	
	25		IER-100/4/25/300	IER-100/4/25/300-A	IER-100/4/25/300-A-S	
	40		IER-100/4/40/300	IER-100/4/40/300-A	IER-100/4/40/300-A-S	
	63		IER-100/4/63/300	IER-100/4/63/300-A	IER-100/4/63/300-A-S	
80	IER-100/4/80/300		IER-100/4/80/300-A	IER-100/4/80/300-A-S		
100	IER-100/4/100/300		IER-100/4/100/300-A	IER-100/4/100/300-A-S		

IER - 100H Series

Residual Current Circuit Breaker

Life

In	Operating cycles	
	On-load operating cycles	Off-load operating cycles
16,25,40,63,80,100	6000	4000

Breaking time of residual current

Max.breaking time					
In(A)	I _{Δn} (A)	I _{Δn}	2 I _{Δn}	5 I _{Δn}	5-500A
16/25/40/63/80/100	0.01,0.03,0.1,0.3	0.1s	0.08s	0.04s	0.04s

Wiring (The suitable conductors should be used for connection,see table below for relative parameters)

Rated current In (A)	Cross section area s(mm ²)	Tightening torque(N.m)
16	2.5	max 5
25	4	
40	10	
63	16	
80	25	
100	35	

Features

When designing residual current devices, manufacturing technology and type of routine tests, the IEC61008-1 standards were considered. Important features are:

Up to date design

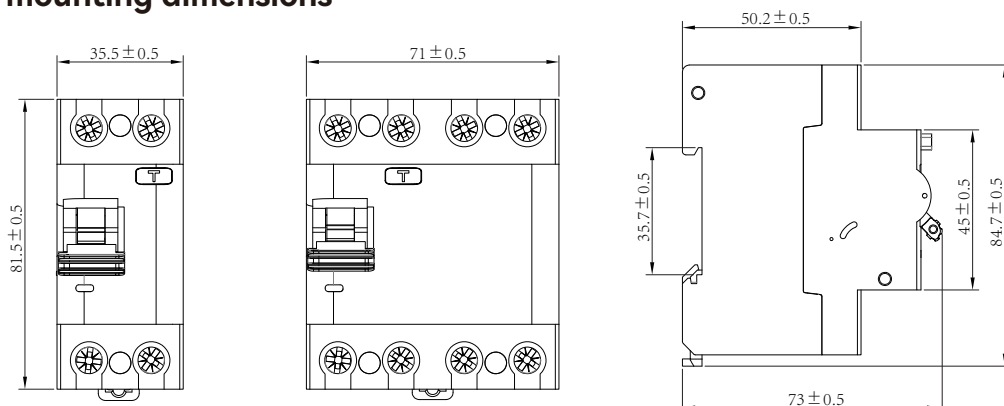
User-friendly connection of conductors and busbars

Resistance to current surges; unwanted tripping excluded

Simple and solid fixing to a 35 mm mounting rail in compliance with EN 60715

Additional colour display of main contacts position (red:contacts closed, green:contacts open)

Overall and mounting dimensions



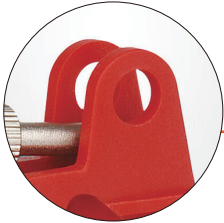
IER - 100H Series

Residual Current Circuit Breaker

Core Advantages



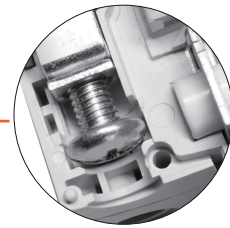
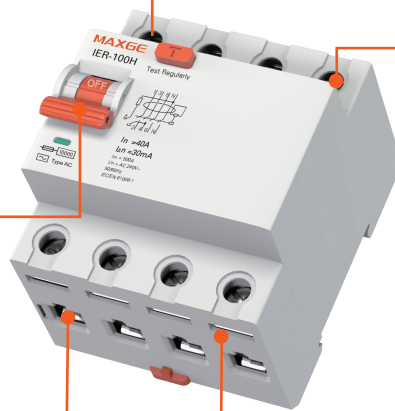
Fast Clip



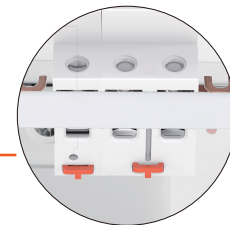
Safety Lock



Anti-misinsertion



High Torque Terminal (5Nm)



Dual Top & Bottom Busbar Connections

Detailed Descriptions

1. Fast Clip

Simple and reliable modular design requiring no additional tools or accessories.

2. Enhanced Safety Lock

Integrated lock mechanism to prevent accidental operation and improve safety.

3. Flexible Busbar Configuration

Versatile design supports systems without a busbar, with a single busbar, or with dual busbars.

4. High Torque Terminal (5Nm)

Upgraded terminals allow for a maximum torque of 5Nm, ensuring superior connection integrity.

5. Anti-misinsertion

Unique terminal structure prevents incorrect wiring insertion.