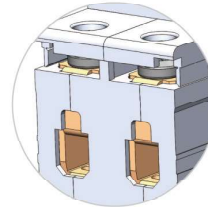


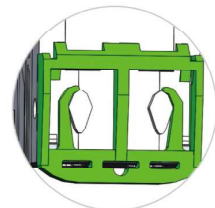
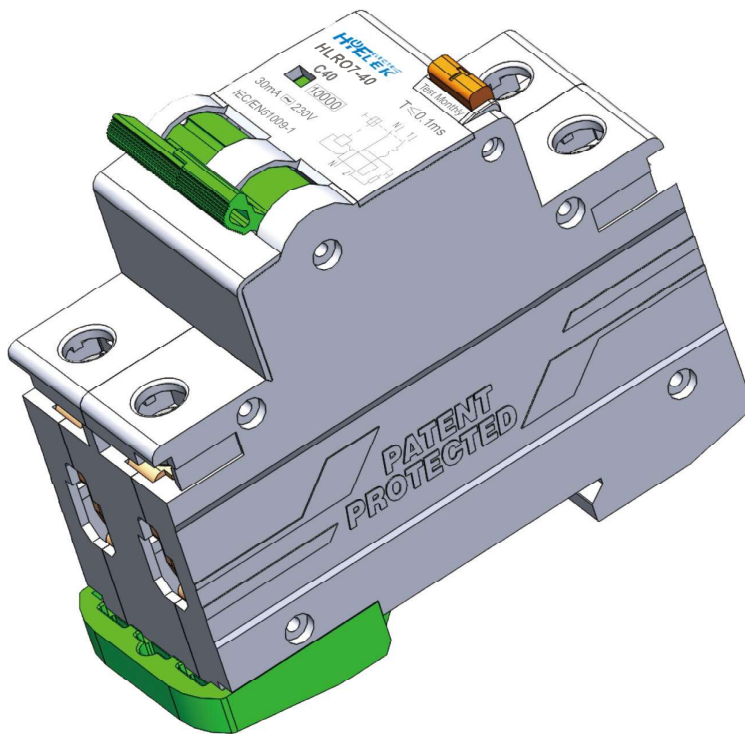
Clear and independent Indication

RCD part trip only when earth leakage occurs



Cable/Busbar connection

Free choice to connect by U-type/Pin-type busbar as well as cable

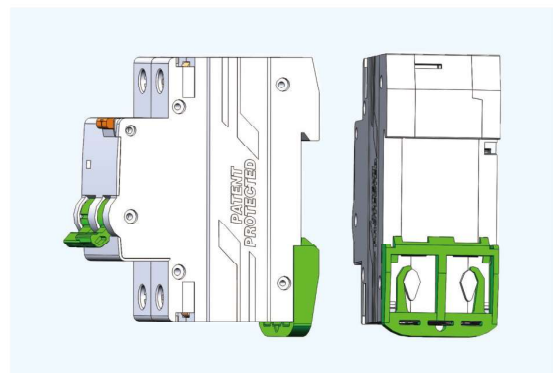


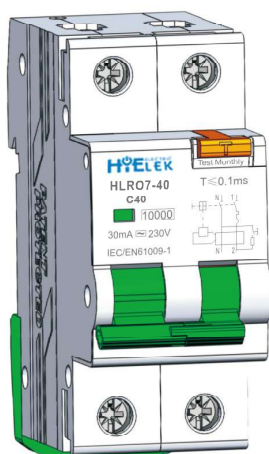
Din Rail Mounting

Easy and efficient mounting on 35mm Din-rail

- Breaking capacity 6KA/10KA
- Long mechanical and electrical endurance over 20000 cycles operation
- Electronic/ Electromagnetic type
- N pole can be switched

HLRO7-40 RCBO





HLRO7-40

RESIDUAL CURRENT CIRCUIT BREAKER WITH OVERCURRENT PROTECTION

Technical Data

- Standard: IEC61009-1
- Mode: Electronic
- Type: A/AC
- Tripping curve: B C D
- Pole No.: 1P+N
- Rated voltage: 240V~
- Rated frequency: 50/60Hz
- Rated current: 6-40A
- Rated residual operating current ($I_{\Delta n}$): 30、100、300mA
- Residual operating current range: $0.5 I_{\Delta n} \sim I_{\Delta n}$
- Rated conditional short-circuit current (I_{nc}): 6000A
- Energy limiting class: 3
- Electrical and Mechanical life: 20000

Overload Current Protection Characteristics

Test Procedure	Type	Initial State	Tripping or Non-tripping Time Limit	Expected Result	Remark
A	B、C、D	1.13In cold	$t \leq 1h$	no tripping	
B	B、C、D	1.45In after test A	$t < 1h$	tripping	The current steadily rises to the specified value within 5s
C	B、C、D	2.55In cold	$1s < t < 60s$	tripping	
D	B	3In	$t \leq 0.1s$	no tripping	Turn on the auxiliary switch to close the current
	C	5In			
	D	10In			
E	B	5In	$t < 0.1s$	tripping	Turn on the auxiliary switch to close the current
	C	10In			
	D	20In			

Residual Current Operating Breaking Time

type	In/A	$I_{\Delta n}/A$	Residual Current(I_{Δ})Is Corresponding To The Following Breaking Time(S)			
AC type	any value	any value	In	2In	5In	5A,10A,20A,50A, 100A,200A,500A
A type		>0.01	1.4In	2.8In	7In	
			0.3	0.15	0.04	0.04 max breaking time
The general type RCBO whose current $I_{\Delta n}$ is 0.03mA less can use 0.25A instead of 51 $I_{\Delta n}$.						

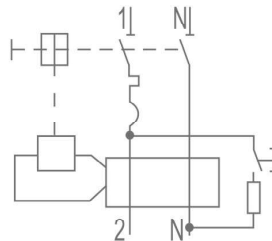
HLR07-40

RESIDUAL CURRENT CIRCUIT BREAKER WITH OVERCURRENT PROTECTION

Installation

Fault current indicator	YES
Protection degree	IP20
Ambient temperature	-5~+40°C and its average over a period of 24h does not exceed +35°C
Storage temperature	-25~+70°C
Terminal connertion type	Cable
Terminal size top/bottom for cable	25mm ²
Tightening torque	2.5N.m
Mounting	On DIN rail FN 60715 (35mm) by means of fast clip device
Connection	Top and bottom

The Wiring diagram



Dimensions

