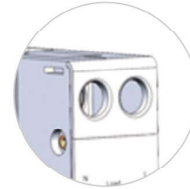




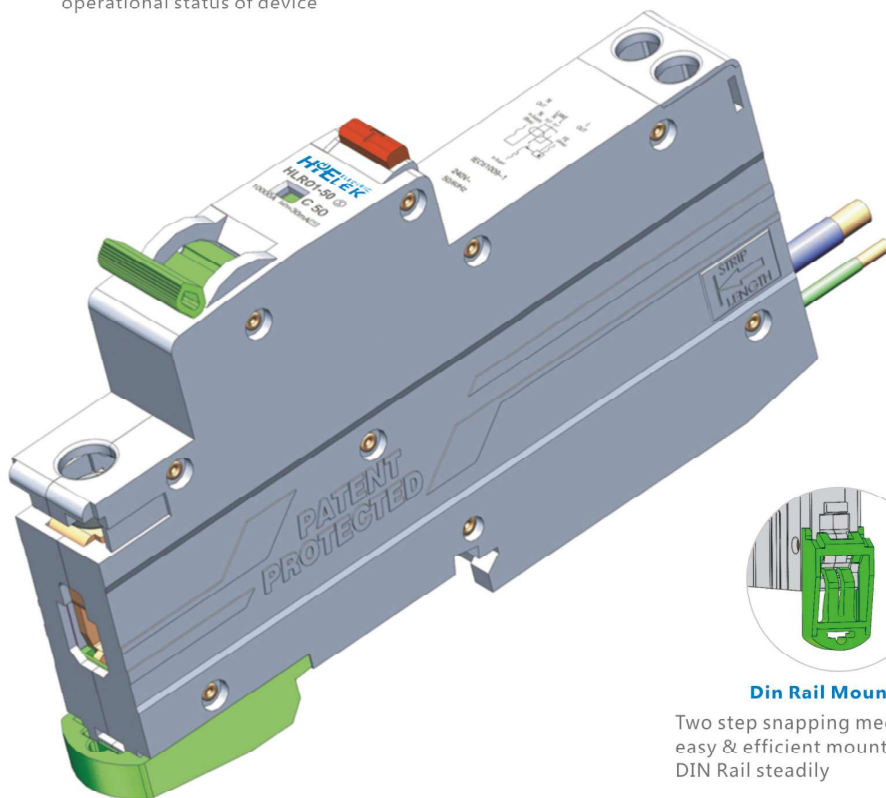
Red/Green indication

Clear indication of the ON/OFF operational status of device



IP 20 Degree Protection

Terminals are finger touch proof.
Prevent electrical shock by accidental touch



Din Rail Mounting

Two step snapping mechanism for
easy & efficient mounition in 35mm
DIN Rail steadily

HLRO1-50 RCBO





HLRO1-50

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: 6-50A
- 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}): 10000A
- 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
C	B、C、D	2.55In	cold	$1s < t < 60s$	tripping
D	B	3In	cold	$t \leq 0.1s$	no tripping
	C	5In			
	D	10In			
E	B	5In	cold	$t < 0.1s$	tripping
	C	10In			
	D	20In			

Residual Current Operating Breaking Time

type	I_n/A	$I_{\Delta n}/A$	Residual Current(I_{Δ})Is Corresponding To The Following Breaking Time(S)			
AC type	any value	any value	I_n	$2I_n$	$5I_n$	5A,10A,20A,50A,100A,200A,500A
A type		>0.01	$1.4I_n$	$2.8I_n$	$7I_n$	
			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 $5I_{\Delta n}$.

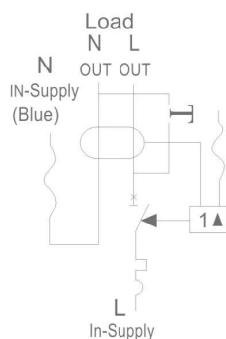
HLR01-50

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/U-type busbar/Pin -type busbar
Terminal size top for cable	10mm ²
Terminal size bottom for cable	25mm ²
Tightening torque	2.5Nm/1.2Nm
Mounting	On DIN rail FN 60715 (35mm) by means of fast clip device
Connection	Top and bottom

The wiring diagram



Overall and mounting dimensioned

