

# HDM6L Series

Earth-Leakage Circuit Breaker



*The Right Choice!*

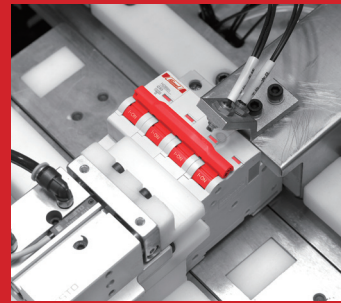
# The Right

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# t Choice!

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Applicable. Available. Accountable.



*The Right Choice!*

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# Delixi Electric IS NOW **HIMEL**

We constantly strive to deliver more value to our customers. This is why we have migrated Delixi Electric to Himel – an international brand which is driven by three core values: applicable, available, and accountable.

As Himel, we are able to establish a network of local teams and partners to better understand and serve our customers' needs. We regularly work to increase the volume of our stock at the local level and make sure our products are readily available whenever needed.

Himel sets out to meet its customers' evolving needs with the introduction of the 6 Series, a new line of low-voltage products that features uniform design and improved reliability. Under the name of Himel, we will continually expand our product portfolio through collaborative research and development with new industrial partners.

APPLICABLE  
AVAILABLE  
ACCOUNTABLE

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# Himel is: APPLICABLE AVAILABLE ACCOUNTABLE

## ABOUT US

**H**imel is an international manufacturer and provider of low-voltage electrical products that successfully combines global expertise with local knowledge.

We focus on true partnership with customers and offer products that meet practical needs and ensure relevant compatibility for common usage. We work to be always ready for our customers and react quickly to their needs. We are accountable and committed to maintaining sustainable, long-term relationships.

At Himel we believe that functionality and availability do not have to come at a high cost. We ensure that our simple and solid products are always where they are needed. We guarantee complete originality of all our components and promote safe installation and usage.

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Impact of Altitude on Tripping Release Performance

3-Pole (W) Total Power Loss

Tripping Release Curve



# HDM6L Earth-Leakage Circuit Breaker





Standard: IEC 60947-2



## Coding System

name	Frame size	B.C	Rate Current	Pole	Accessory	Voltage of Accessory	Residual current	Installation method
HDM6L	100	L	100	3P	M	1	F	R
	↓	↓	↓	↓	↓	↓	↓	↓
100:100AF	L:L type	40,50,63,80,100	3:3P		X:No Accessory	X:AC400V;NO Accessory voltage; Leakage module voltage AC400V	Y:300/100/500mA (100AF, 250AF)	F:fix-type in front of the board
250:250AF	M:M type	100,125,160,180,200,225,250	A:4P A Type N phase is not equipped with overcurrent trip component and N phase is always connected. The N phase does not open/close with the other 3 poles.	M:MX		N:AC230V;intenal accessory AC230V; Leakage module AC230V	T:100/300/500mA (100AF, 250AF, 400AF, 630AF)	R:fix-type behind the board
400:400AF		200,225,250,315,350,400	B: 4P B Type N phase is not equipped with overcurrent trip component, and N phase opens/closes with the other 3 poles. (N phase closes first and then opens)	O:OF		D:DC24V	F:300/500/1000mA (400AF, 630AF)	P:insert-type behind the board
630:630AF		400,500,630	C: 4P C Type N phase is equipped with overcurrent trip component, and N phase always opens/closes with the other 3 poles . (N phase closes first and then opens)	N:MN		1:Internal accessory AC400V; Leakage module AC230V		
			D: 4P D Type N phase is equipped with overcurrent trip component and N phase is always connected. The N phase does not open/close with the other 3 poles	F:OF+OF		2: Internal accessory AC230V;Leakage module AC400V		
				S:SD		3:Internal accessory DC24V;Leakage module AC400V		
				D:OF+S		4:Internal accessory DC24V;Leakage module AC230V		
				U:Leakage alarm without action module				
				I:Leakage alarm with action module				
				A:MX+Leakage alarm without action module				
				1:MX+Leakage alarm with action module				
				B:OF+Leakage alarm without action module				
				2:OF+Leakage alarm with action module				
				C:MN+Leakage alarm without action module				
				3:MN+Leakage alarm with action module				
				E:OF+OF+Leakage alarm without action module				
				4:OF+OF+Leakage alarm with action module				
				G:SD+Leakage alarm without action module				
				5:SD+Leakage alarm with action module				
				H:OF+SD+Leakage alarm without action module				
				6:OF+SD+Leakage alarm with action module				

## Order Information

Type	Pole	In A	L-type	M-type
HDM6L-100 	3	40	HDM6L100L403XX*F	HDM6L100M403XX*F
		50	HDM6L100L503XX*F	HDM6L100M503XX*F
		63	HDM6L100L633XX*F	HDM6L100M633XX*F
		80	HDM6L100L803XX*F	HDM6L100M803XX*F
		100	HDM6L100LI003XX*F	HDM6L100M1003XX*F
	4	40	HDM6L100L404XX*F	HDM6L100M404XX*F
		50	HDM6L100L504XX*F	HDM6L100M504XX*F
		63	HDM6L100L634XX*F	HDM6L100M634XX*F
		80	HDM6L100L804XX*F	HDM6L100M804XX*F
		100	HDM6L100LI004XX*F	HDM6L100M1004XX*F
HDM6L-250 	3	100	HDM6L250L1003XX*F	HDM6L250M1003XX*F
		125	HDM6L250L1253XX*F	HDM6L250M1253XX*F
		160	HDM6L250L1603XX*F	HDM6L250M1603XX*F
		180	HDM6L250L1803XX*F	HDM6L250M1803XX*F
		200	HDM6L250L2003XX*F	HDM6L250M2003XX*F
		225	HDM6L250L2253XX*F	HDM6L250M2253XX*F
		250	HDM6L250L2503XX*F	HDM6L250M2503XX*F
	4	100	HDM6L250L1004XX*F	HDM6L250M1004XX*F
		125	HDM6L250L1254XX*F	HDM6L250M1254XX*F
		160	HDM6L250L1604XX*F	HDM6L250M1604XX*F
		180	HDM6L250L1804XX*F	HDM6L250M1804XX*F
		200	HDM6L250L2004XX*F	HDM6L250M2004XX*F
		225	HDM6L250L2254XX*F	HDM6L250M2254XX*F
		250	HDM6L250L2504XX*F	HDM6L250M2504XX*F
HDM6L-400 	3	200	HDM6L400L2003XX*F	HDM6L400M2003XX*F
		225	HDM6L400L2253XX*F	HDM6L400M2253XX*F
		250	HDM6L400L2503XX*F	HDM6L400M2503XX*F
		315	HDM6L400L3153XX*F	HDM6L400M3153XX*F
		350	HDM6L400L3503XX*F	HDM6L400M3503XX*F
		400	HDM6L400L4003XX*F	HDM6L400M4003XX*F
	4	200	HDM6L400L2004XX*F	HDM6L400M2004XX*F
		225	HDM6L400L2254XX*F	HDM6L400M2254XX*F
		250	HDM6L400L2504XX*F	HDM6L400M2504XX*F
		315	HDM6L400L3154XX*F	HDM6L400M3154XX*F
		350	HDM6L400L3504XX*F	HDM6L400M3504XX*F
		400	HDM6L400L4004XX*F	HDM6L400M4004XX*F
HDM6L-630 	3	400	HDM6L630L4003XX*F	HDM6L630M4003XX*F
		500	HDM6L630L5003XX*F	HDM6L630M5003XX*F
		630	HDM6L630L6303XX*F	HDM6L630M6303XX*F
	4	400	HDM6L630L4004XX*F	HDM6L630M4004XX*F
		500	HDM6L630L5004XX*F	HDM6L630M5004XX*F
		360	HDM6L630L6304XX*F	HDM6L630M6304XX*F

Note:\* express residual current

# HDM6L Earth-Leakage Circuit Breaker

Standard: IEC 60947-2



## Technical Data

Thermo-adjustable

Basic Information(IEC60947-2)

Frame Size AF

Number of Poles

Breaking Capacity Level

Rated Ultimate Short—circuit Breaking Capacity  $I_{cu}$ (kA rms)

Rated Service Short-circuit Breaking Capacity  $I_{cs}$ (kA rms)

Mechanical Endurance

Electrical Endurance

On-Off Cycle

Tripping Unit

Rated Current(A)  $I_n$

Accessory

Indication Accessories

OF

SD

Control Accessories

MX(AC400,230V,DC220V)

MN(AC400,230V)

Extended Rotary Handle(Round and Square)

AC Motor Mechanism(AC400,230V)

Mounting&Connection

Fixed,Rear Connection

Plug-in,Rear Connection

Connection

Spreader

Protection

Phase Barrier

Installation Information

	100				250				400				630			
	3P		4P		3P		4P		3P		4P		3P		4P	
	L	M	L	M	L	M	L	M	L	M	L	M	L	M	L	M
Rated Ultimate Short—circuit Breaking Capacity $I_{cu}$ (kA rms)	35	50	35	50	35	50	35	50	50	70	50	70	50	70	50	70
Rated Service Short-circuit Breaking Capacity $I_{cs}$ (kA rms)	22	30	22	30	22	30	22	30	30	40	30	40	30	40	30	40
Mechanical Endurance	8500				7000				4000				4000			
Electrical Endurance	1500				1000				1000				1000			
Tripping Unit																
Rated Current(A) $I_n$	40/50/63/80/100				100/125/160/180/200/225/250				200/225/250/315/350/400				400/500/630			
Accessory																
Indication Accessories																
OF	■				■				■				■			
SD	■				■				■				■			
Control Accessories																
MX(AC400,230V,DC220V)	■				■				■				■			
MN(AC400,230V)	■				■				■				■			
Extended Rotary Handle(Round and Square)	■				■				■				■			
AC Motor Mechanism(AC400,230V)	■				■				■				■			
Mounting&Connection																
Fixed,Rear Connection	■				■				■				■			
Plug-in,Rear Connection	■				■				■				■			
Connection																
Spreader	■				■				■				■			
Protection																
Phase Barrier	■				■				■				■			
Installation Information	See Page 9				See Page 10				See Page 11				See Page 12			

"■" shows it has this option

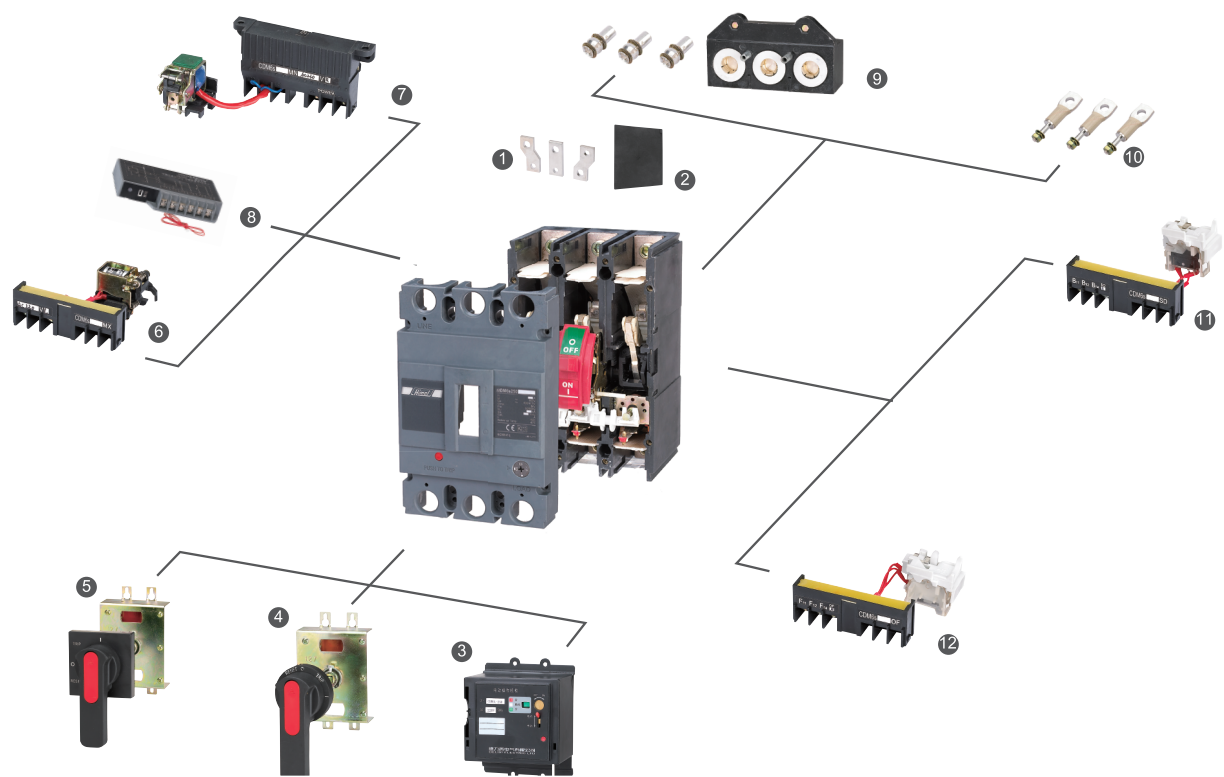
# HDM6L Earth-Leakage Circuit Breaker

Standard: IEC 60947-2



## Basic Technical Data

- Rated Insulation Voltage  $U_i$ , AC 800V
- Rated Impulse Withstand Voltage  $U_{imp}$ , 8KV
- Rated Working Voltage  $U_e$ , AC 400V
- Rated Operational Frequency, 50Hz
- Utilization Category, A



## Complete Functions and Accessories

1	Spreader	6	MX	11	SD
2	Phase Barrier	7	MN	12	OF
3	AC Motor Mechanism	8	Leakage Module (Can't order separately)		
4	Round Extended Rotary Handle	9	Plug-in Rear Connection		
5	Square Extended Rotary Handle	10	Fixed Rear Connection		

# HDM6L Earth-Leakage Circuit Breaker

Standard: IEC 60947-2



## Trip unit function

Except the basic features of overload and short circuit protection, the HDM6L residual current protecting circuit breaker can also provide indirect contact protection for people and prevent fire accident due to damaged insulation and defective grounding current. The circuit breaker can also add functions if needed, including electricity leakage alarm.



### Versatile functions

The circuit breaker conforms to the latest national standards, and uses reliable 3-phase power supply technology. If one phase is missing, i.e. there is one phase loss, the circuit breaker can still provide reliable leakage protection. The product has wide range of voltage input. When the voltage drops to 85V due to power supply failure, the circuit breaker can still provide reliable leakage protection. The time delay function includes non-delay mode and 3-section delay mode, which can be chosen by the user according to residual current.

### Easy operation

The testing button is easy and convenient to use. The micro-switch has sensitive contact and long service life. The trip coil has excellent material and performance with remarkable trip indicating button, which provides a safe and reliable operation environment for clients.

## Basic parameter information

The 4-pole products with N phase are divided to four types.

A type: N phase is not equipped with overcurrent trip component and N phase is always connected. The N phase does not open/close with the other 3 poles

B type: N phase is not equipped with overcurrent trip component, and N phase opens/closes with the other 3 poles (N phase closes first and then opens)

C type: N phase is equipped with overcurrent trip component, and N phase always opens/closes with the other 3 poles (N phase closes first and then opens)

D type: N phase is equipped with overcurrent trip component and N phase is always connected. The N phase does not open/close with the other 3 poles.

## Electric motor protection

HDM6L residual current protection circuit breaker with plastic case can be used for electricity distribution protection, frame current under 400 and electric motor protection.

## Isolation function

HDM6L series product has isolation protection function. The operation handle can indicate "OFF" position only when the contact is really opened.

# HDM6L Earth-Leakage Circuit Breaker

Standard: IEC 60947-2



## Complete Accessories of HDM6L Series

### Indicating Accessories



- Auxiliary Contact(OF):

Be connected in the auxiliary circuit of switch device and used for the accessories to indicate the position of the circuit breaker contacts

- Alarm Switch(SD):

Be used for the accessories under the state of on and off or trip of the indication circuit breaker for the following reasons:

- Overload or short-circuit fault
- Residual earth-leakage fault
- Artificial Testing Release
- Shunt Trip Release
- Line Fault and Under-voltage Release Tripping



Accessory Name	Switch-on	Switch-off/Tripping
OF		
Accessory Name	Switch-on	Switch-off/Tripping
SD		

### Electrical Parameter of OF&SD

	3A	
Rated Thermal Current(A)	AC15	DC13
Utilization Category	0.3A	-
Working Current 50Hz	AC400V	-
DC220V	-	0.15A

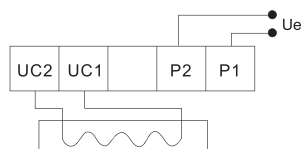
### Control Accessories

- Under-voltage Release(MN)

Tripping threshold between 0.35 and 0.7 times the rated voltage;when it is at 85%-110%of rated working voltage,Under-voltage Release shall ensure re the circuit breaker switch-on;when the rated working voltage is less than 35,Under voltage Release shall prevent switch-on of the Circuit breaker



Undervoltage Release Wiring



Applicable Type of Circuit Breaker	Power Consumption of Under—voltage Coil(W)	
	AC400V	AC230V
HDM6L100	3.9	3.2
HDM6L250	4.3	3.3
HDM6L400	3.6	2.5
HDM6L630	2	1.6



# HDM6L Earth-Leakage Circuit Breaker

Standard: IEC 60947-2

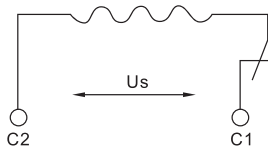


## Complete Accessories of HDM6L Series

- Shunt Release(MX)  
When the working voltage is between 70%-110%Us ,the shunt release shall reliably trip the circuit breaker.



Shunt Release Wiring

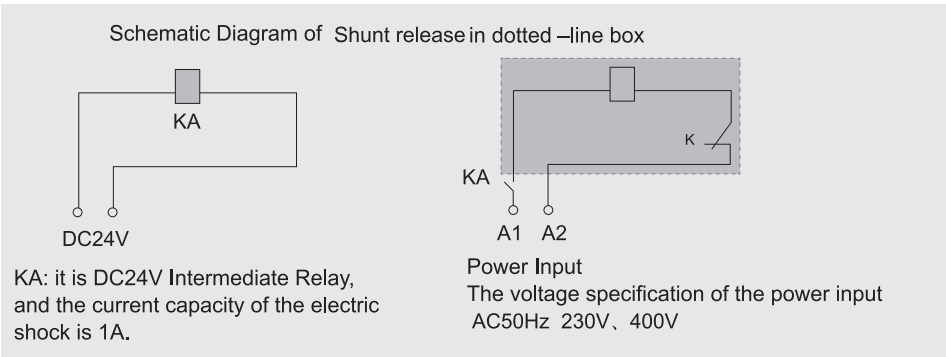


Applicable Type of Circuit Breaker	Power Consumption of Under—voltage Coil(W)		
	AC400V	AC230V	DC24V
HDM6L100	96.8	73	91.2
HDM6L250	112	68.6	85.3
HDM6L400	67	62.3	100
HDM6L630	163	153	120

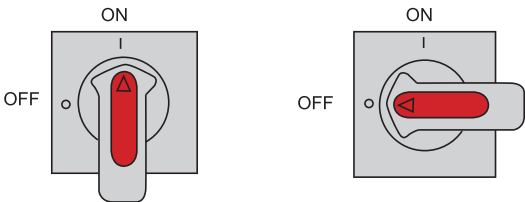
When the rated control supply voltage of the shunt release is DC24V the maximum length of the copper conductor shall satisfy the following requirements:

Conductor Area Rated Control Supply Voltage(DC24V)	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>
100%Us 85%Us	150m 100m	250m 160m

When the requirements above cannot be satisfied,it is recommended to adopt the following chart to design control loop of the shunt release.



- Extended Rotary Handle
  - Function:indication of the three positions of switch—on,switch—off and trip
  - The circuit breaker cannot be switch—on when the switch board door is open
  - The door cannot be opened if the circuit breaker is ON
  - An extension shaft that can be adjusted to the distance between the back of circuit breaker and door the specific distance refers to the dimensions at the rear and the installation part.
  - The OFF—Position of the circuit breaker can han9 1—3 locks with the diameter of 5 mm

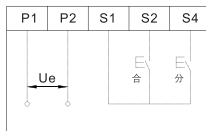


# HDM6L Earth-Leakage Circuit Breaker

Standard: IEC 60947-2



## Complete Accessories of HDM6L Series



- AC Motor Mechanism  
Provide on-site and remote distance control circuit breaker to implement switch-on and switch-off.



- Phase Barriers  
The phase barriers are used to reinforce isolation of connection points in installation with bus-bars. Whether insulated or not, we can easily install the phase barrier through the phase slot of this product.  
Both the inlet and outlet line of HDM6s has phase barrier.



- Leakage Alarm module  
(Alarm but Non Tripping Function: Alarm but non tripping in case of leakage reach the alarm limitation meanwhile still in energized state)  
The module indicates alarm by means of luminous diode.  
As luminous diode indicates red, it means system leakage exceed setting value, and at that time, normally open contact turn to normal close, normal closed contact turn to normal open.



## Connection Accessories

- Fixed, Rear Connection  
It is easy to install and connect the products in the Rear Connection.



- Plug-in Rear Connection  
The plug-in connection for the products is easy for maintenance and replacement, but plug-in and plug-out cannot be done with the electricity.

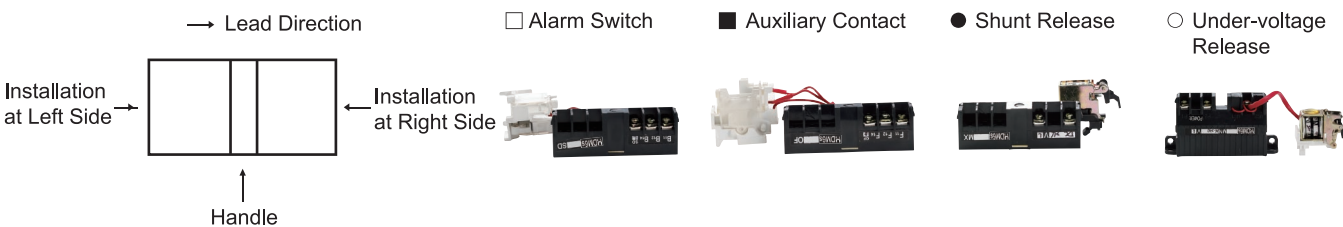
# HDM6L Earth-Leakage Circuit Breaker

Standard: IEC 60947-2



## Installation Location of Accessories

Installation Method for Tripping Release and Accessories Code



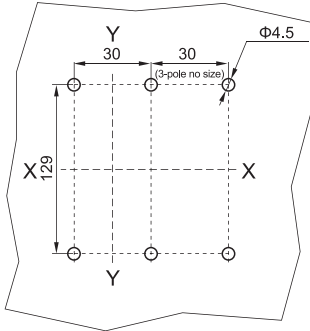
Name of Accessory	Product Type		
	HDM6L100/250	HDM6L400	HDM6L630
Alarm Switch			
Shunt Release			
Auxiliary Contact			
Undervoltage Release			
Two Group Auxiliary Contact			
Auxiliary Contact Alarm Switch			

Standard: IEC 60947-2

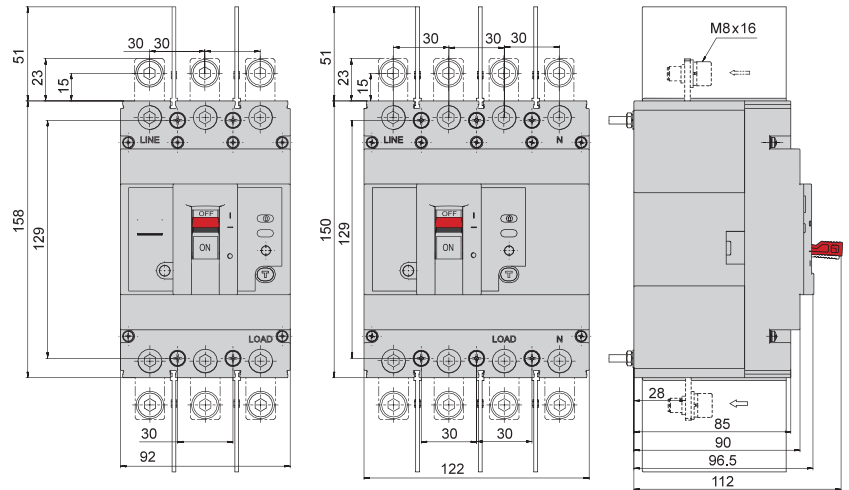


## HDM6L 100AF Installation Dimension

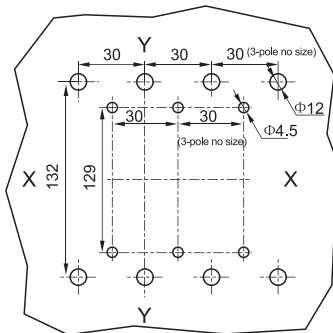
- Chart of Fixed Front Connection Installation Hole      ● Installation Dimension of Fixed Front Connection



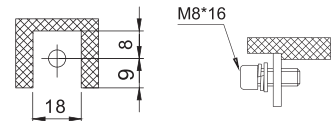
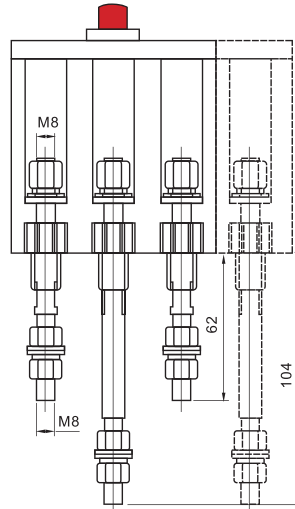
Remark: X-X, Y-Y is the center of 3-pole circuit breaker



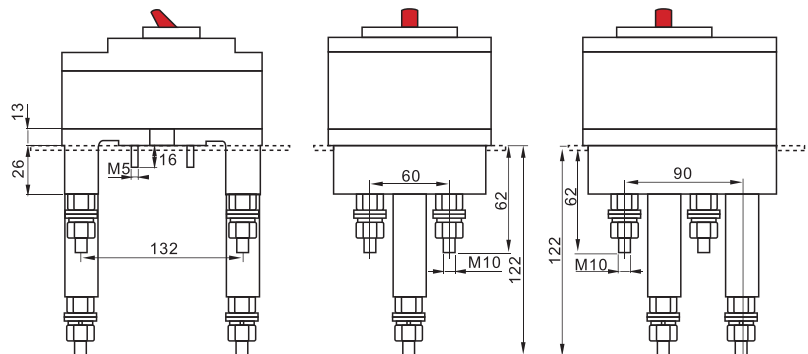
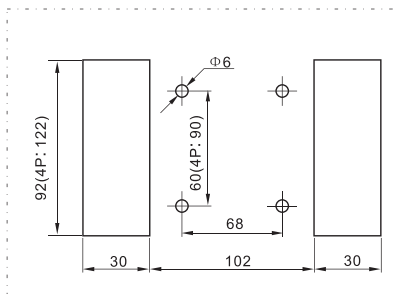
- Chart of Fixed Rear Connection Installation Hole
- Fixed Rear Connection Wiring
- Chart of Terminal Connection Installation Hole



Remark: X-X, Y-Y is the center of 3-pole circuit breaker



- Chart of Plug-in Rear Connection Installation Hole
- Plug-in Rear Connection Wiring



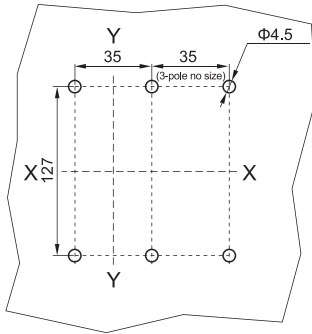
# HDM6L Earth-Leakage Circuit Breaker

Standard: IEC 60947-2



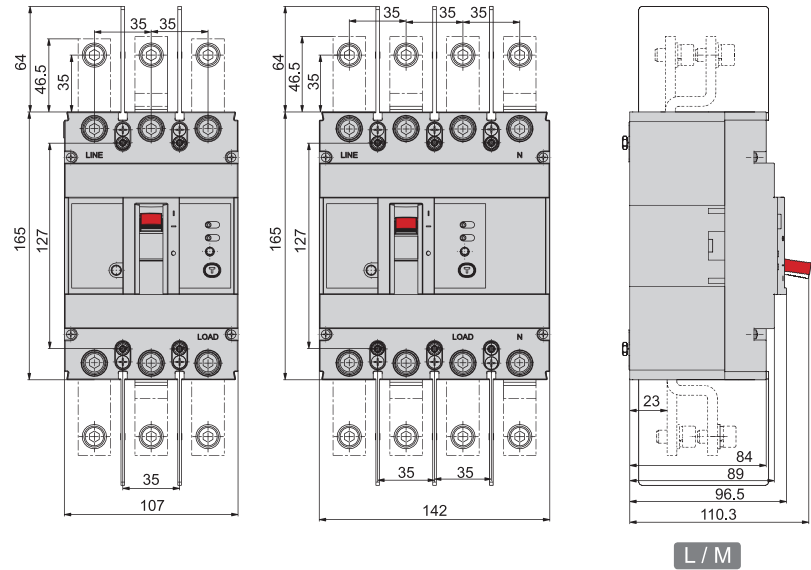
## HDM6L 250AF Installation Dimension

### ● Chart of Fixed Front Connection Installation Hole

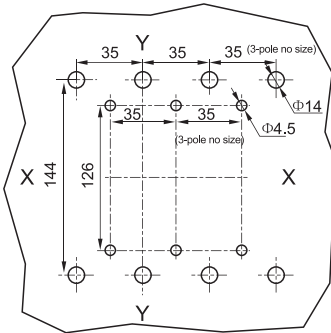


Remark: X-X, Y-Y is the center of 3-pole circuit breaker

### ● Installation Dimension of Fixed Front Connection

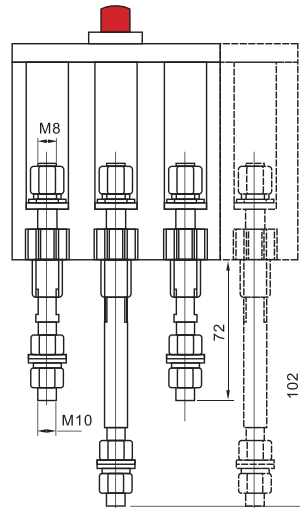


### ● Chart of Fixed Rear Connection Installation Hole

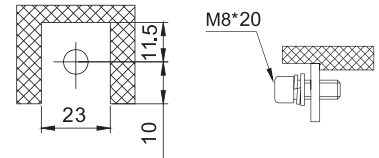


Remark: X-X, Y-Y is the center of 3-pole circuit breaker

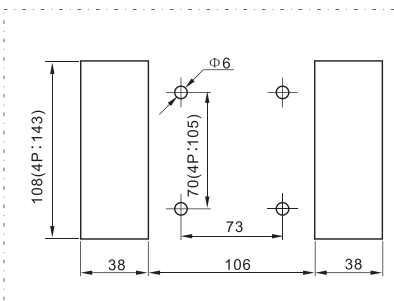
### ● Fixed Rear Connection Wiring



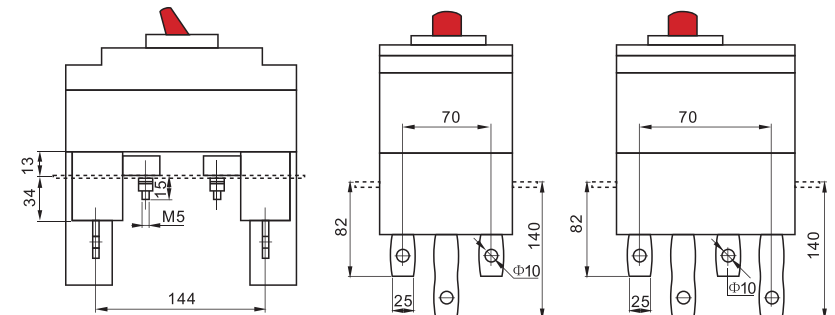
### ● Chart of Terminal Connection Installation Hole



### ● Chart of Plug-in Rear Connection Installation Hole



### ● Plug-in Rear Connection Wiring



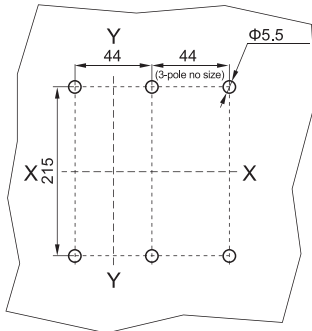
# HDM6L Earth-Leakage Circuit Breaker

Standard: IEC 60947-2



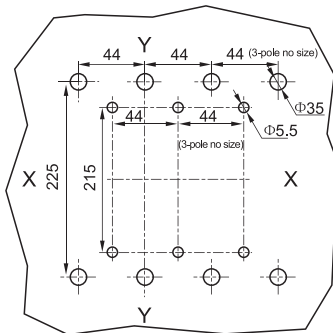
## HDM6L 400AF Installation Dimension

### ● Chart of Fixed Front Connection Installation Hole



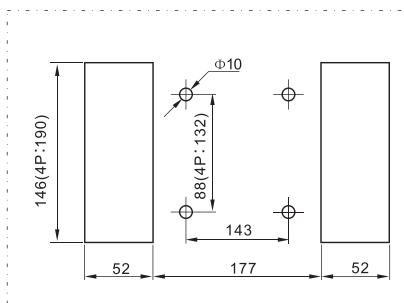
Remark: X-X, Y-Y is the center of 3-pole circuit breaker

### ● Chart of Fixed Rear Connection Installation Hole

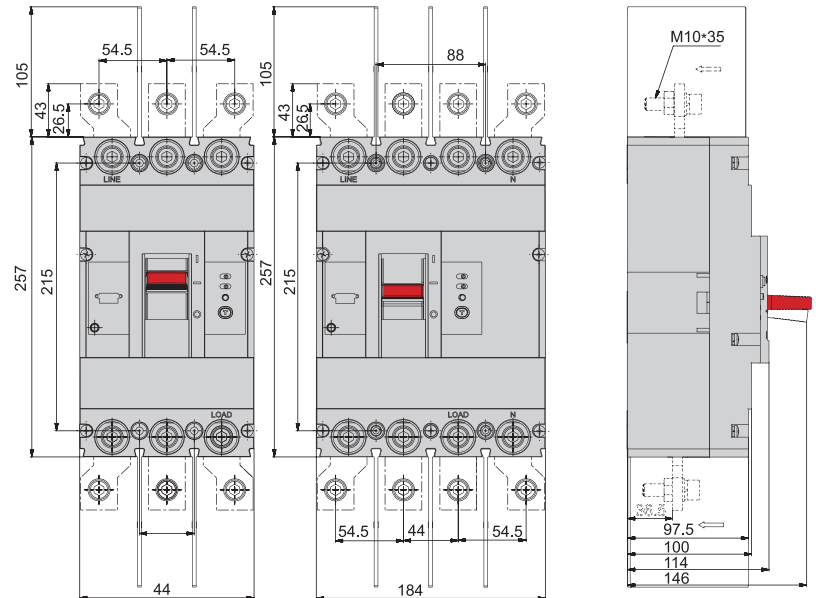


Remark: X-X, Y-Y is the center of 3-pole circuit breaker

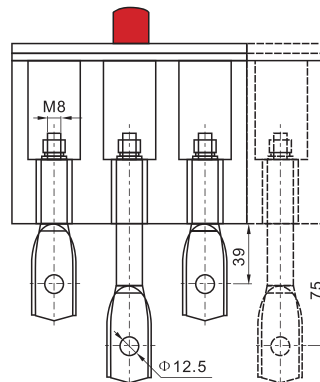
### ● Chart of Plug-in Rear Connection Installation Hole



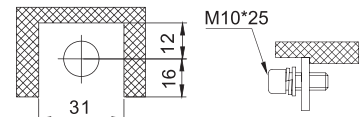
### ● Installation Dimension of Fixed Front Connection



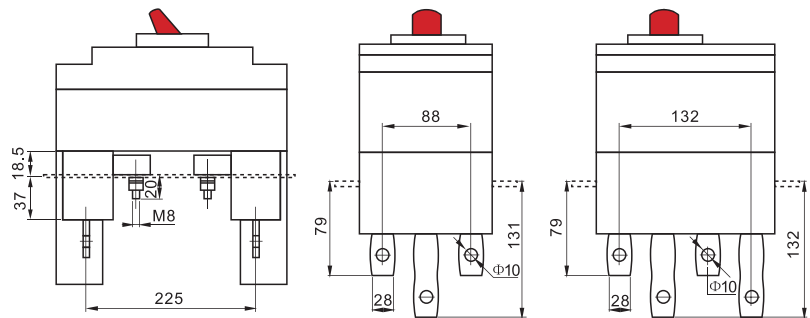
### ● Fixed Rear Connection Wiring



### ● Chart of Terminal Connection Installation Hole



### ● Plug-in Rear Connection Wiring



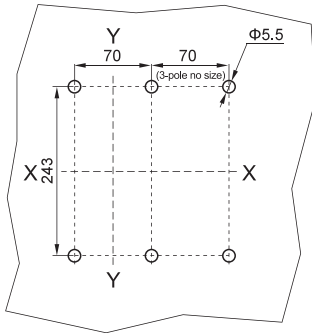
# HDM6L Earth-Leakage Circuit Breaker

Standard: IEC 60947-2



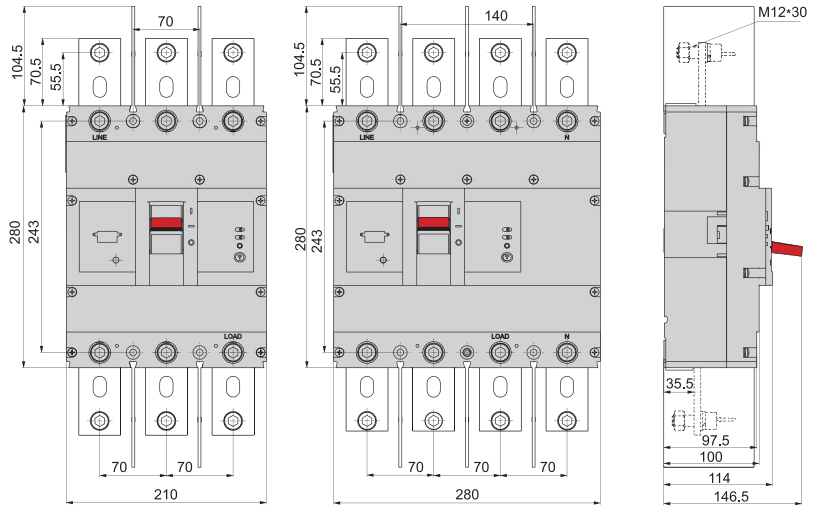
## HDM6L 630AF Installation Dimension

### ● Chart of Fixed Front Connection Installation Hole

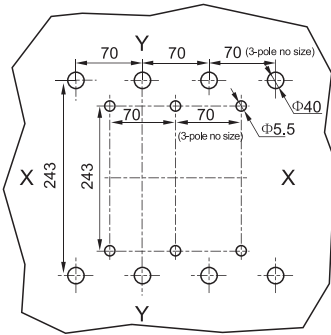


Remark: X-X, Y-Y is the center of 3-pole circuit breaker

### ● Installation Dimension of Fixed Front Connection

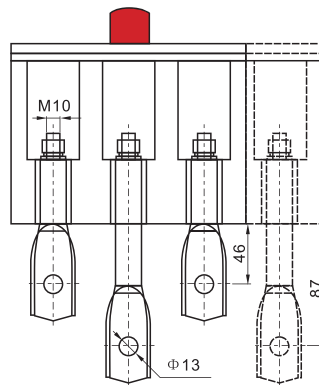


### ● Chart of Fixed Rear Connection Installation Hole

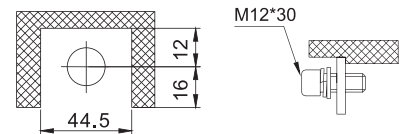


Remark: X-X, Y-Y is the center of 3-pole circuit breaker

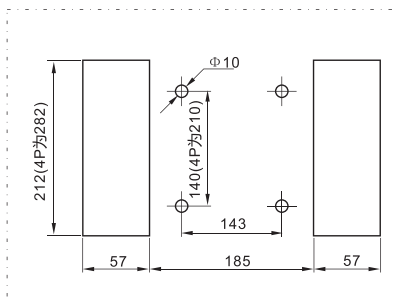
### ● Fixed Rear Connection Wiring



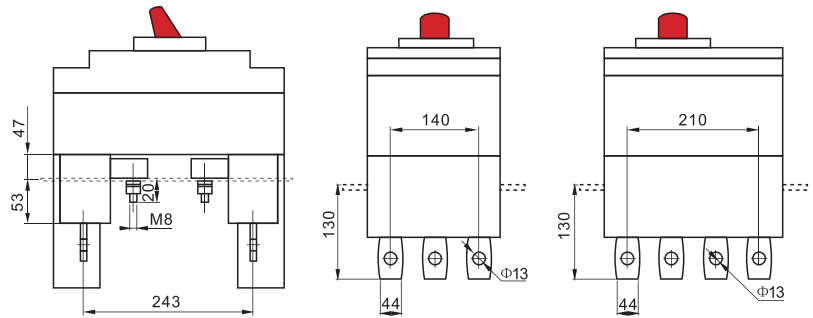
### ● Chart of Terminal Connection Installation Hole



### ● Chart of Plug-in Rear Connection Installation Hole



### ● Plug-in Rear Connection Wiring



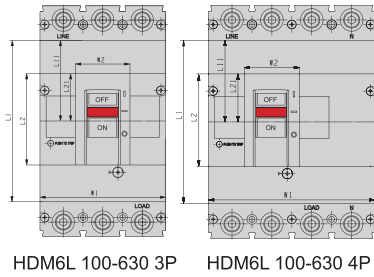


# HDM6L Earth-Leakage Circuit Breaker

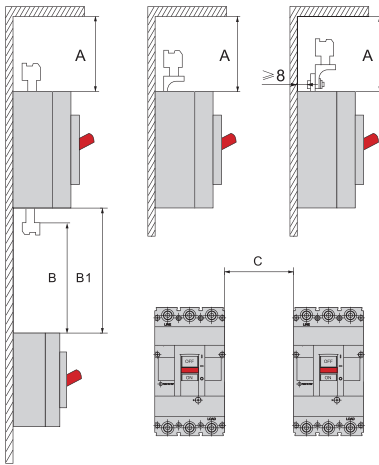
Standard: IEC 60947-2



## • HDM6L Earth—Leakage circuit Breaker connection Hole-opening Dimension



Type of Circuit Breaker	Pole No.	Exposure of Front Cover and Pull—out Handle			Exposure of Pull—out Handle Only		
		W1	L1	L11	W2	L2	L21
HDM6L100AF	3P	92	88	42	35	60	30
	4P	122	88	42	35	60	30
HDM6L250AF	3P	107	102	51	35	60	30
	4P	142	102	51	35	60	30
HDM6L400AF	3P	140	180	90	61	102	53
	4P	184	180	90	61	102	53
HDM6L630AF	3P	210	200	100	65	102	51
	4P	280	200	100	65	102	51



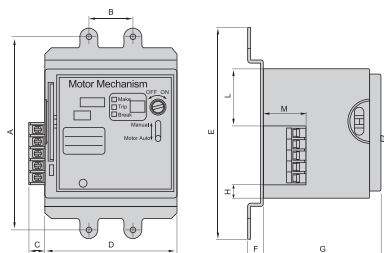
## • Safety Distance

Type of Circuit Breaker	A(mm)	B(mm)	B1(mm)	C(mm)
HDM6L100AF	60	60	Length of Exposed Conductor +B	30
HDM6L250AF	60	60		30
HDM6L400AF	110	110		70
HDM6L630AF	110	110		70

Remark:no matter whether the products have the accessories,the distance between the products must meet the requirements of C distance.

## Installation Dimension

### • AC Motor Mechanism



Type of Circuit Breaker	A	B	C	D	E	F	G	H	L	M
HDM6L100AF	129	30	11	90	144	14	80	8.5	38.5	28.5
HDM6L250AF	126	35	11	104	138	13	80	8.5	38.5	28.5
HDM6L400AF	215	44	11	140	232	22	112	12	97.5	28.5
HDM6L630AF	243	70	11	150	260	16	112	12	97.5	28.5

# HDM6L Earth-Leakage Circuit Breaker

Standard: IEC 60947-2



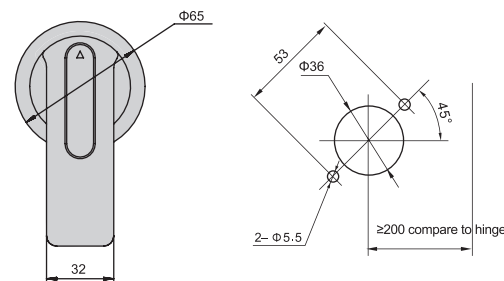
• HDM6L100—630 Frame Extension Rotary Handle Base Dimension

Type of Circuit Breaker	C	D	E	H	K
HDM6L100AF	30	51.5	51.5	54	20
HDM6L250AF	35	71.5	71.5	56	20
HDM6L400AF	44	107.5	107.5	76	20
HDM6L630AF	70	121.5	121.5	76	20

Remark: the shortest distance of G connecting rod is 50mm and ex-factory standard configuration is 150mm, please contact the factory if the special customization is required.

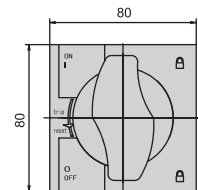
• HDM6L100—630 Frame Extension Rotary Handle

Round

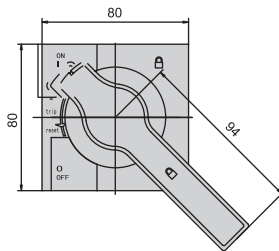


HDM6L100 and HDM6L250 is 65 or 95 for option,the default value is 65.  
HDM6L400,HDM6L630 is 95 or 1 25 for option,the default value is 95.

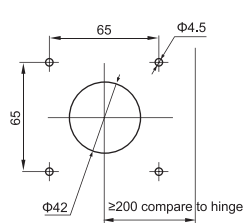
Square



HDM6L 100/250AF



HDM6L 400/630AF



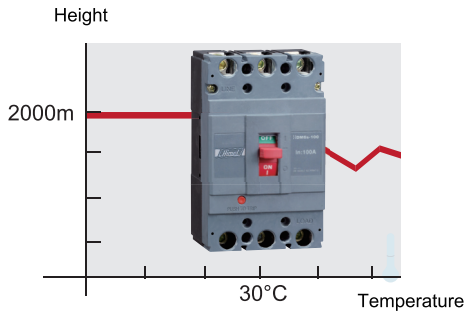
# HDM6L Earth-Leakage Circuit Breaker

Standard: IEC 60947-2



## Impact of High Temperature on tripping Release Performance

When environmental temperature is over 40°C, small changes have taken place on overload protection properties, In tripping release time, current curve, the Ir setting value of the circuit breaker must be corrected as per the following factors.



Type of Circuit Breaker	Ambient Temperature				
	30	35	40	45	50
HDM6L100AF	1	0.97	0.95	0.92	0.89
HDM6L250AF	1	0.98	0.97	0.95	0.94
HDM6L400AF	1	0.98	0.95	0.93	0.91
HDM6L630AF	1	0.98	0.95	0.93	0.91

## Impact of Altitude on Tipping Release Performance

There is no impact on the performance of the circuit breaker when the height is below 2000m, But when it is over 2000m, the falling factors as air insulation properties and cooling capability shall be considered, the correction factors given in the table below are applicable for the conditions of the height for the installation over 2000m, the breaking capacity of the circuit breaker remains unchanged.

Altitude(m)	2000	3000	4000	5000
Max.Working Voltage(V)	415	350	310	270
30°C Thermal Rated Value(A)	In	0.96In	0.93In	0.96In
Average Isolation Voltage(V)	800	700	600	500
Dielectric Strength(V)	3000	2500	2100	1800

## 3-Pole (W) Total Power Loss

Type of Circuit Breaker	Power-up Current	Front Connectuion Wiring(Standard)	Rear Connectuion Wiring	Plug-in Wiring
HDM6L100AF	100A	40	50	50
HDM6L250AF	250A	63	90	90
HDM6L400AF	400A	103	110	130
HDM6L630AF	800A	200	230	290

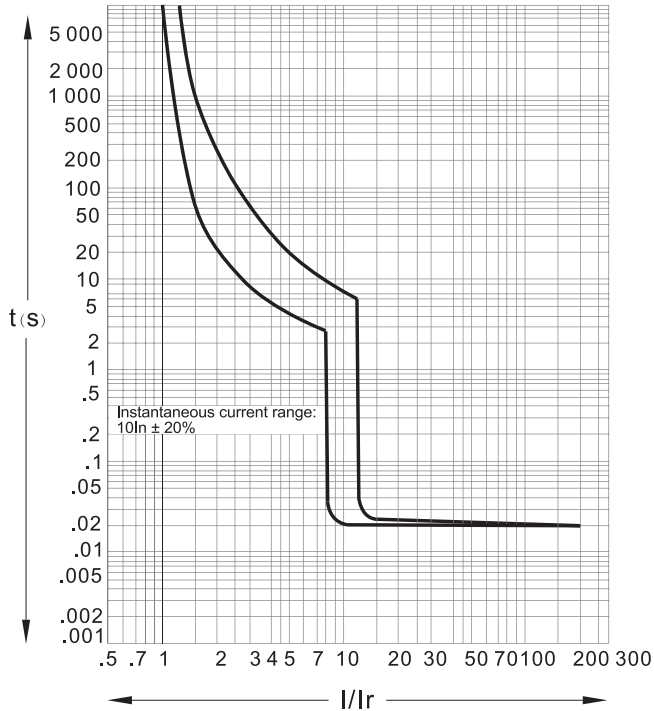
# HDM6L Earth-Leakage Circuit Breaker

Standard: IEC 60947-2

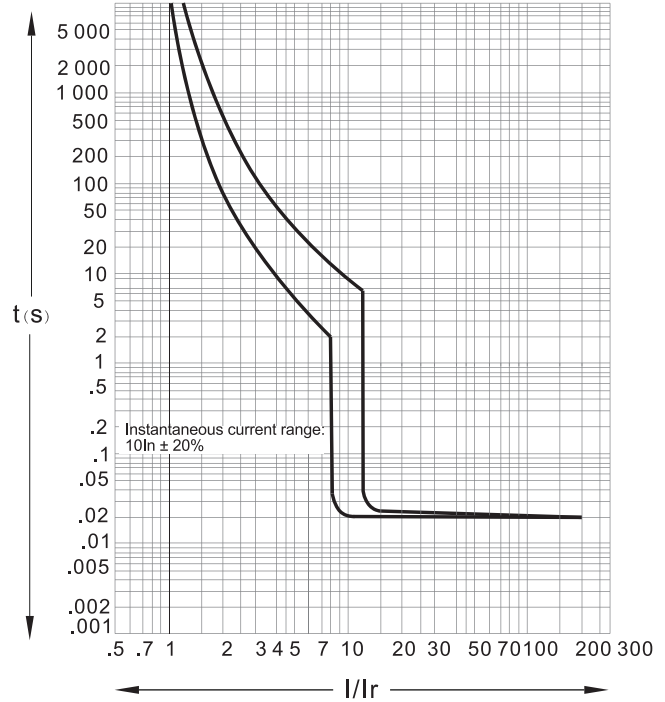


## Tripping Release Curve

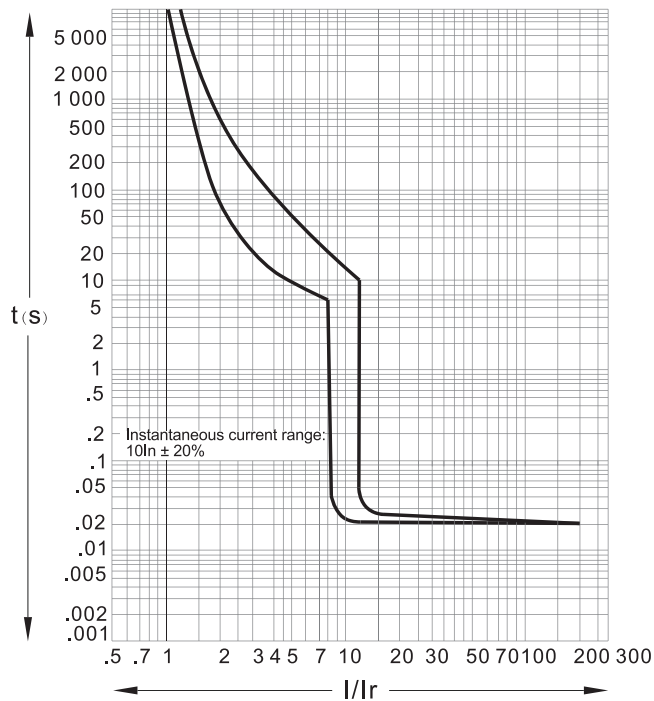
- HDM6L-100 16A-50A, the black line is used for the distribution



- HDM6L-100 63A-100A, the black line is used for the distribution



- HDM6L-250 100A-250A, the black line is used for the distribution.



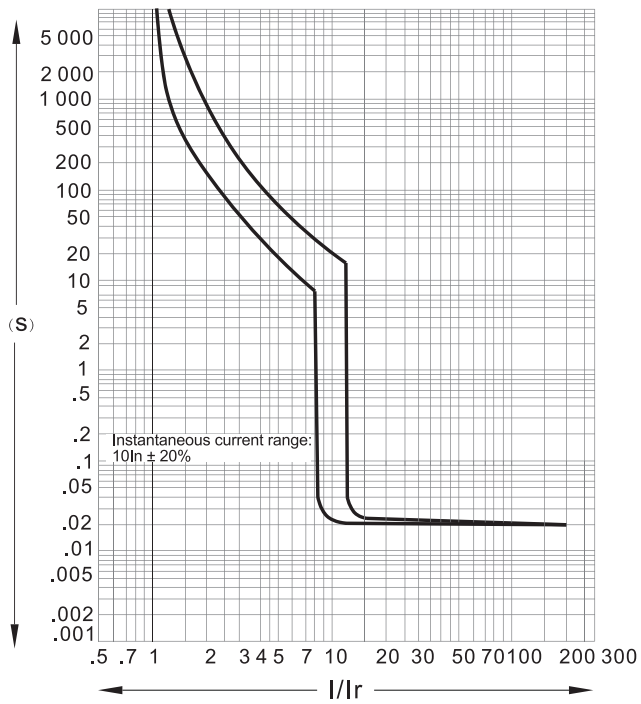
# HDM6L Earth-Leakage Circuit Breaker

Standard: IEC 60947-2

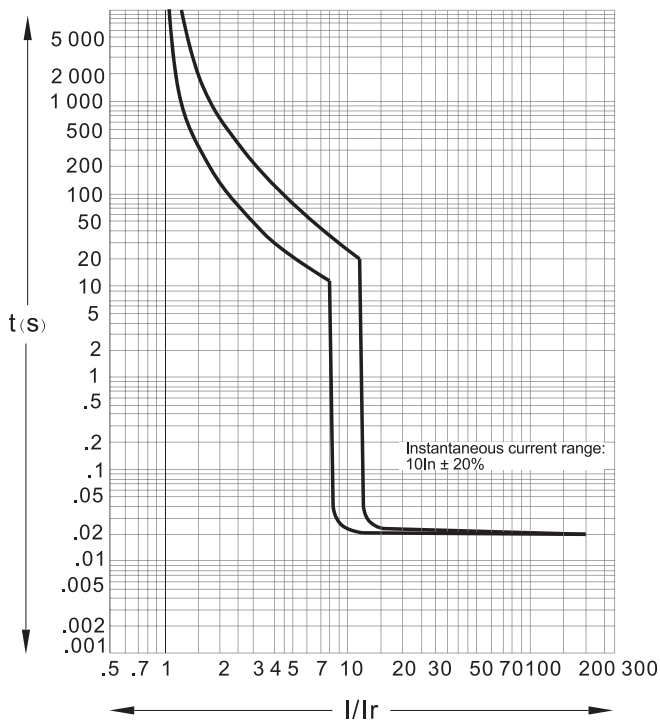
CE

## Tripping Release Curve

- HDM6L-400 200A-400A, the black line is used for the power distribution



- HDM6L-630 400A-630A is used for the power distribution.



# Memo

[illegible]

# Memo

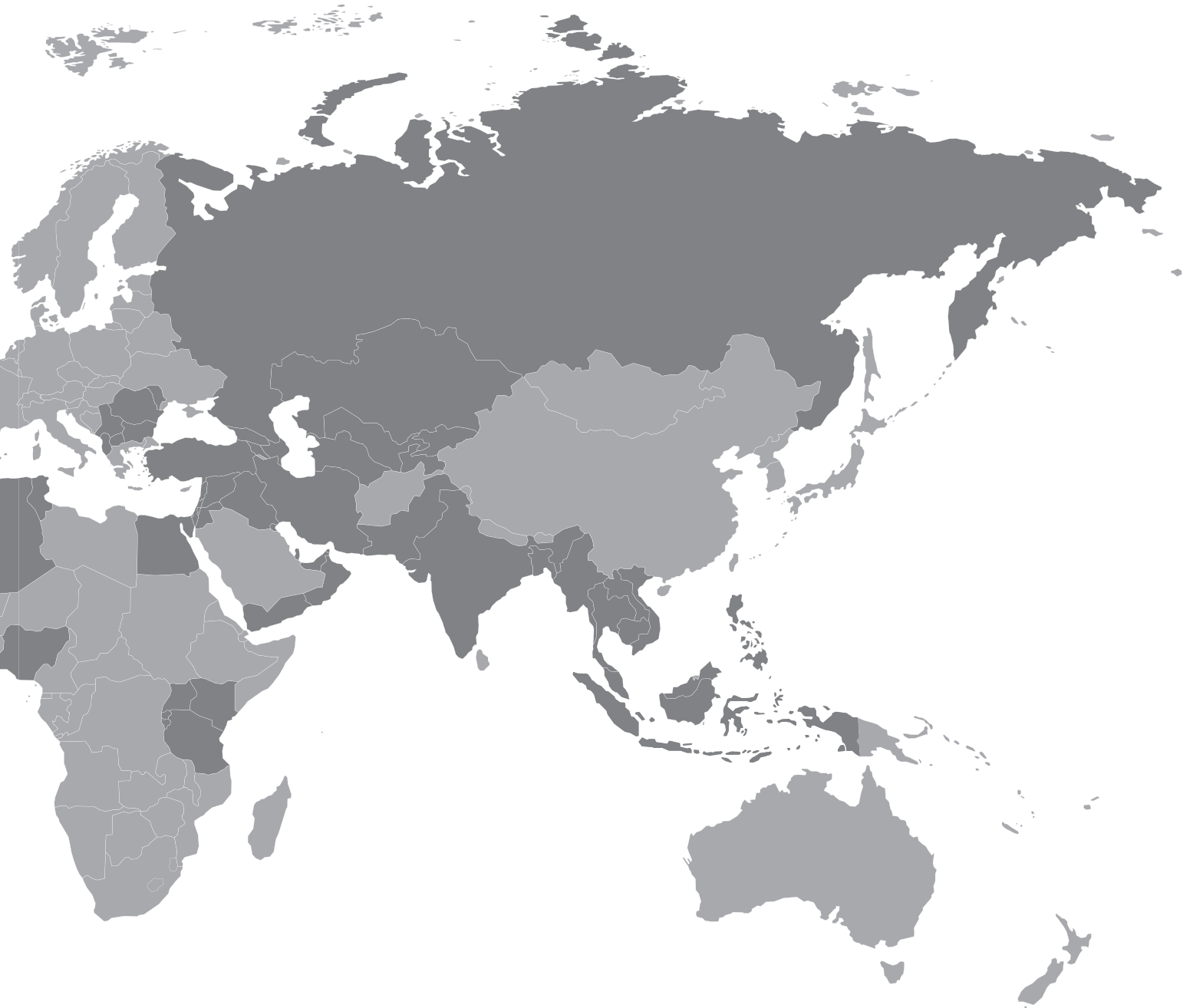
[illegible]



# A Company to Serve



# e You Where You Are



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Sept. 2012

Contact@himel-electric.com

