Protection Feature

Distribution protection –Only magnetic release

Only magnetic release	Frame size I _{nm} (A)	Rated current I _n (A)	Setting of short circuit protection current	Setting value of short circuit protection current I _i (A) and allowance	Release time
	63	10~63	Fixed	10I _n , ±20%	
	125	10~125	Fixed	10I _n , ±20%	
	160	32~160	Fixed	10I _n , ±20%	
	250	125~250	Fixed	10I _n , ±20%	
Short circuit protection	400	250~400	Fixed	10I _n , ±20%	Instantaneous action
protection	630	400~630	Fixed	10I _n , ±20%	uction
	800	630~800	Fixed	10I _n , ±20%	
	1000	800~1000	Fixed	10I _n , ±20%	
	1250	1000~1250	Adjustable	I _i : (7-8-9-10) I _n	
	1600	1000~1600	Adjustable	I _i : (7-8-9-10) I _n	

	Frame size I _{nm} (A)	Rated current I _n (A)	Setting of neutral pole protection current	Setting value of neutral pole short circuit protection current (A) and allowance	Release time
	63	10~63	Fixed	l _i , ±20%	
	125	10~125	Fixed	l _i , ±20%	
Neutral pole	160	32~160	Fixed	I _i , ±20%	
protection (code of N	250	125~250	Fixed	I _i , ±20%	Instantaneous action
poles C/D)	400	250~400	Fixed	I _i , ±20%	uction
	630	400~630	Fixed	I _i , ±20%	
	800	630~800	Fixed	I _i , ±20%	
	1000	800~1000	Fixed	I,, ±20%	
	1250	1000~1250	Adjustable	I _i : (7-8-9-10) I _n	
	1600	1000~1600	Adjustable	I _i : (7-8-9-10) I _n	

Distribution protection—Thermal magnetic release

Thermal magnetic release	Frame size I _{nm} (A) Rated current		Setting of overcurrent protection	Release feature
Overload protection	63A~1000A	10A~1000A	Fixed	$\label{eq:linear_lambda} I^2t=constant \\ 1.05I_n(cold\ state),\ 2h\ non-trip(I_n>63A),\ 1h\ non-trip(I_n\leq63A) \\ 1.30I_n(heat\ state),\ 2h\ trip(I_n>63A),\ 1h\ trip(I_n\leq63A)$
	1600	1000A~1600A	Adjustable	I _R adjustable range: (0.7-0.8-0.9-1)In

Thermal magnetic release	Frame size I _{nm} (A)	Rated current I _n (A)	Setting of short circuit protection current	Setting value of short circuit protection current I _i (A) and allowance	Release time
	63	10~63	Fixed	10I _n , ±20%	
	125	10~125	Fixed	10I _n , ±20%	
	160	32~160	Fixed	10l _n , ±20%	
	250	125~250	Fixed	10I _n , ±20%	
Short circuit protection	400	250~400	Fixed	10I _n , ±20%	Instantaneous action
protection	630	400~630	Fixed	10I _n , ±20%	detion
	800	630~800	Fixed	10I _n , ±20%	
	1000	800~1000	Fixed	10I _n , ±20%	
	1250	1000~1250	Adjustable	I _i : (7-8-9-10) I _n	
	1600	1000~1600	Adjustable	I _i : (7-8-9-10) I _n	

	Frame size I _{nm} (A)	Rated current I _n (A)	Setting of neutral pole protection current	Setting value of neutral pole overload protection current(A)setting value neutral pole short circuit protection current(A)
	63	10~63	Fixed	I _R , I _i , ±20%
	125	10~125	Fixed	I _R , I _i , ±20%
Neutral pole	160	32~160	Fixed	I _R , I _i , ±20%
protection (code of N	250	125~250	Fixed	I _R , I _i , ±20%
pole C/D)	400	250~400	Fixed	I _R , I _i , ±20%
	630	400~630	Fixed	I _R , I _i , ±20%
	800	630~800	Fixed	I _R , I _i , ±20%
	1000	800~1000	Fixed	I _R , I _i , ±20%
	1250	1000~1250	Adjustable	I _i : (7-8-9-10) I _n
	1600	1000~1600	Adjustable	I _i : (7-8-9-10) I _n



Protection Feature

Distribution protection—Electronic release

Electronic release	Frame size I _{nm} (A)	Rated current I _n (A)	Setting of overcurrent protection I _R (A)	Release feature/time		
		32	16-18-20-22-25-28-30-32			
	160	63	32-36-40-45-50-56-60-63			
	160	125	63-70-75-80-90-100-110-125			
		160	80-90-100-110-125-140-150-160			
	250	250	125-140-150-160-180-200-225-250	I ² t=constant 1.05l _a , no action within 2h		
Overload long-time- delay protection	400	400	200-225-250-280-300-315-350-400	1.31 _R , action with 1h		
aciay protection	630	630	400-450-480-500-530-560-600-630	2I _R , t _R =(12-60-80-100)s, I _{nm} < 400A		
	1000	800	630-660-680-700-720-750-780-800	$2I_R$, $t_R = (12-60-100-150)s$, $I_{nm} \ge 400A$		
	1000	1000	630-680-720-780-820-900-950-1000			
	1250	1250	630-700-800-900-1000-1100-1200-1250			
	1600	1600 800-900-1000-1100-1250-1400-1500-1600				
Action allowance				±10%		
Short circuit short-time- delay protection	All series	32~1600	I _{sd} =(1.5-2-3-4-5-6-8)I _R +OFF	t_=0.3,±0.06s		
Action allowance			±15%	t _{sd} =0.3,±0.00s		
Instantaneous protection	160~1600	32~1600	I _i =(2-3-4-6-8-10-12)I _R +OFF	Instantaneous action		
Action allowance			±15%	instantaneous action		
Neutral pole protection (code of four pole C/D) All series		32~1600	I _{RN} =(0.5 ,1)I _n +OFF, Adjustable			
Indication of overload	All series	32~1600	I _{RO} =1.2I _R			

Motor protection—Only magnetic release

Only magnetic release	Frame size I _{nm} (A)	Rated current I _n (A)	Setting of short circuit protection current	Setting value of short circuit protection current I _i (A) and allowance	Release time
	63	10~63	Fixed	12I _n , ±20%	
	125	10~125	Fixed	12I _n , ±20%	
	160	32~160	Fixed	12I _n , ±20%	
Short circuit protection	250	125~250	Fixed	12I _n , ±20%	Instantaneous action
	400	250~400	Fixed	12I _n , ±20%	
	630	400~630	Fixed	12I _n , ±20%	
	800	630~800	Fixed	12I _n , ±20%	

	Frame size I _{nm} (A)	Rated current I _n (A)	Setting of neutral pole protection current	Setting value of neutral pole overload protection current(A) Setting value neutral pole short circuit protection current(A)
	63	10~63	Fixed	I _R , I _i , ±20%
	125	10~125	Fixed	I_R , I_i , $\pm 20\%$
Neutral pole protection	160	125,160	Fixed	I_R , I_i , $\pm 20\%$
code of N		125,160	Fixed	I _R , I _i , ±20%
pole C/D)	250	160~250	Fixed	I _R , I _i , ±20%
	400	315~400	Fixed	I_R , I_i , $\pm 20\%$
	630	400~630	Fixed	I_R , I_i , $\pm 20\%$
	800	630~800	Fixed	I_R , I_i , $\pm 20\%$



Protection Feature

Motor protection—Thermal magnetic release

Thermal magnetic release	Frame size I _{nm} (A)	Rated current I _n (A)	Setting of overcurrent protection	Release feature
Overload protection	125~800	25~630A	Fixed	I^2 t=constant 1.0In(cold state), > 2h non release 1.2In(hot state), ≤ 2h release 7.2In(hot state), 4s≤T≤10s, 10A≤In≤225A 6s≤T≤20s, 225A < In≤630A(including 800A frame 630A) Trip class: 10(≤160A), 20(160A < In≤630A)

Thermal magnetic release	Frame size I _{nm} (A)	Rated current I _n (A)	Setting of short circuit protection current	Setting value of short circuit protection current I _i (A) and allowance	Release time
	63	10~63	Fixed	12I _n , ±20%	
	125	10~125	Fixed	12I _n , ±20%	
	160	32~160	Fixed	12I _n , ±20%	
Short circuit protection	250	125~250	Fixed	12I _n , ±20%	Instantaneous action
	400	250~400	Fixed	12I _n , ±20%	
	630	400~630	Fixed	12I _n , ±20%	
	800	630~800	Fixed	12I _n , ±20%	

	Frame size I _{nm} (A)	Rated current I _n (A)	Setting of neutral pole protection current	Setting value of neutral pole overload protection current(A) Setting value neutral pole short circuit protection current(A)
N	63	10~63	Fixed	I _R I _L ±20%
	125	10~125	Fixed	I _{R.} I _L ±20%
Neutral pole protection	160	125,160	Fixed	$I_R I_L \pm 20\%$
code of N		125,160	Fixed	I _R , I _L ±20%
pole C/D)	250	160~250	Fixed	$I_R I_L \pm 20\%$
	400	315~400	Fixed	$I_R I_L \pm 20\%$
	630	400~630	Fixed	I _R I _L ±20%
	800	630~800	Fixed	$I_R I_L \pm 20\%$

Motor protection—Electronic release

Electronic release	Frame size I _{nm} (A)	Rated current I _n (A)	Setting of overcurrent protection I _R (A)	Release feature/time				
		32	16-18-20-22-25-28-30-32					
	160	63	32-36-40-45-50-56-60-63	I ² t=constant				
	100	100	63-70-75-80-85-90-95-100	1.05I _R	No	actuation	n within 2	`h
Overload long-time-		125	63-70-75-80-90-100-110-125	1.2I _R	Act	tuation wi	ithin 1h	
delay protection		160	80-90-100-110-125-140-150-160	Release class	10A	10	20	30
		200	100-125-140-150-160-170-180-200	1.5I _R	53	107	178	267
	250	250	125-140-150-160-180-200-225-250	2I _R	30	60	100	150
	400	400	200-225-250-280-300-315-350-400	7.2I _R	2.3	4.6	7.7	11.6
	400 200-223-230-200-313-3		255 225 256 256 375 356 466	Delay time accuracy: ±20%				
	630	630	400-450-480-500-530-560-600-630					
Operation allowance				±20%				
Short circuit short-time- delay protection	160~630	32~630	I _{sd} =(1.5-2-3-4-5-6-8)I _R +OFF	t _v =0.3,±0.06s				
Operation allowance			±15%	1				
Instantaneous protection	160~630	32~630	I _i =(2-4-6-8-10-12-14)I _R +OFF	Instanta	c act:	n		
Operation allowance			±15%	iristantaneou	Instantaneous action			
Neutral pole protection (N pole code C/D)	160~630	32~630	I_{RN} = (0.5, 1) I_R +OFF, adjustable					
Overload indication	160~630		I _{R0} =1.2I _R					







AX-M3 auxiliary contact



Schematic diagram of assembly of auxiliary contact with the body

AX auxiliary contact

Function: Remote indication of "ON", "OFF" position of the breaker, connect to the control circuit of breaker.

Model description

AX-

Applicable product: general (omit), residual current type (LE)

Applicable product poles: 2P(2), general (omit)

Installation site code: left side installation (code L) and right side installation (code R)

Frame size code (see table1)

Name code of auxiliary contact

Table1 Frame size code

Frame size	63/125	160	250	400/630	800	1000	1250/1600
Code	M1	M2	M3	M4	M5	M6	M7

For example: 63/125 frame right auxiliary contact code: AX-M1R

To indicate the "ON" or "OFF "state of circuit breaker

AX	Opening or free trip OFF & TRIP	FX12 FX14	FX11
AA	Closing ON	FX12 FX14	FX11

Electrical characteristics

Operational voltage (V)		AC-15	DC-13	
		AC380/400/415	DC110	DC220
	63~320	0.26	0.14	0.14
Operational current (A)	400~1000	0.4	0.2	0.2
	1600	0.47	0.27	0.27

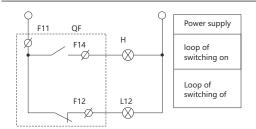
Wiring diagram

Auxiliary contact can be wired with indicator light.

The operator can know the location of switch $\,\,^{\prime\prime}\,\,$ ON $\,^{\prime\prime}\,\,$ or $\,^{\prime\prime}\,\,$ OFF $\,^{\prime\prime}\,\,$

without open the power

distribution cabinet via indicator light.







AL-M6 alarm contact



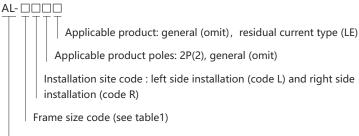
Schematic diagram of assembly of alarm contact with the body

AL alarm contact

Function: It is mainly used to provide signal in case of failure of circuit breaker or free trip. Reasons for alarm contact to send failure indication signal:

- Overload or short circuit trip
- Under voltage trip
- Residual current operated trip
- Manual free trip

Model description



Name code of alarm contact

For instance: the left alarm contact code of 63/125 frame is: AL-M1L

To indicate the "ON" or "OFF" state of circuit breaker

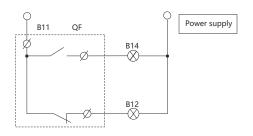
AL	Open or close OFF & ON	B12 B14	B11
AL	TRIP	B12 B14	B11

Electrical characteristics

Operational voltage (V)		AC-15	DC-13	
		AC380/400/415	DC110	DC220
	63~320	0.26	0.14	0.14
Operational current (A)	400~1000	0.4	0.2	0.2
current (1)	1600	0.47	0.27	0.27

Wiring diagram

Alarm contact can be connected with indicator light, buzzer and the like, and thus the operator can be timely informed in case of release of circuit breaker.







UV T-M4 under voltage release



Schematic diagram of assembly of under voltage release and nonrelease module with the body

UVT under voltage release

Function: To switch off the circuit breaker in case of under voltage of power supply so as to protect the electric equipment.

- The under voltage release shall switch off the circuit breaker reliably when the power supply voltage decreases (or even decrease slowly) to 70%-35% of rated control power supply voltage.
- It shall ensure the closing of breaker when the power supply voltage equals to or is more than 85% of rated control power supply voltage of under voltage release.
- The under voltage release shall be able to prevent closing of circuit breaker when the supply voltage is less than 35% of rated control supply voltage of under voltage release.

Model description

UVT- 🗆 🗆 🗆 🗆

Applicable product: Thermal-magnetic (omit), residual current type(LE): Electronic(E)

Applicable product poles: 2P(2), general (omit)

Installation site code: left side installation (code L) and right side installation (code R)

Applicable voltage code (see table2, only A1, A2 are applicable)

Frame size code (see table1)

Name code of under voltage release

Table2 Applicable voltage code

Voltage	AC230V	AC400V	DC24V	DC110V	DC220V
Code	A1	A2	D1	D2	D3

For example: right under voltage release code of 63/125 frame 400V: UV T-M1A2

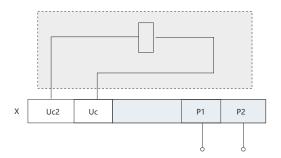
Electrical characteristics

Frame size (A)	Under voltage release code (VA or W)				
rialile Size (A)	AC230V	AC400V			
63/125	3.1	4			
160	3.2	3.9			
250/320	3.3	4.3			
400/630	2.5	3.6			
800	1.6	2			
1000	1.6	2			
1600	1.6	2			

Operating characteristics

	Switching off reliably	35%~70%
Operating conditions (XU ₆)	Preventing closing	≤35%
	Closing reliably	≥85%
Response time		1s
Operation times		1000

Wiring diagram









SHT-M2 shunt release



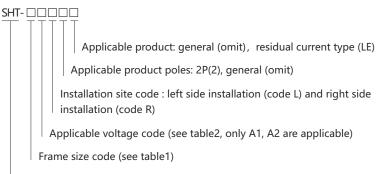
Schematic diagram of assembly of shunt release with the body

SHT shunt release

Function: Shunt release is an accessory for remote control.

The shunt release shall be able to make circuit breaker operating reliably when the power voltage equals to any voltage within the range of 70%~110% of rated control power voltage.

Model description



Name code of shunt release

For example: left shunt release code of 63/125 housing 400V: SHT-M1A2L

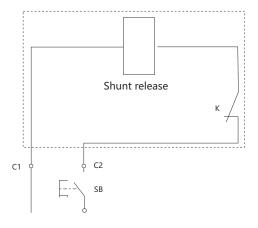
Electrical characteristics

Frame size(A)	Code of under voltage release (VA or W)						
	AC230V	AC400V	DC24V	DC110V	DC110V		
63/125	76	91.5	91	80	136		
160	73	96.5	91	52.8	71		
250/320	68.5	112	85.3	58	66		
400/630	62.5	68	100	105	56		
800	153	168	120	105	56		
1000	153	163	120	105	56		
1250/1600	175	183	140	143	286		

Operating characteristics

	70%~110%XU₅
minimum	10ms
maximum	1s
	30ms
	1000
	ninimum

Wiring diagram







MD-M2 electric operational mechanism



Schematic diagram of assembly of motor-driven mechanism with the body

MD motor-driven mechanism

Function: it is applicable for switching circuit breaker on and off and retrip remotely, as well as automation application.

Model description

MD - 🗆 🗆 🗆 Applicable product: Thermal-magnetic (omit), Electronic type (E), residual current type (LE). Product breaking capacity: General (omit), S,H.

Applicable voltage code (see table2, only A1, A2 are applicable)

Frame size code (see table1)

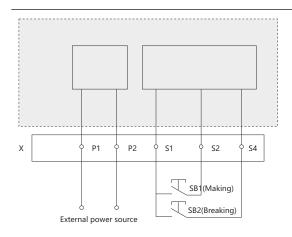
Name code of motor-driven mechanism

For example: motor driven code of 63/125 frame moulded case circuit breaker 400V: MD-M1A2

Electrical characteristics

Category Model	63/125/250/320 frame	All series
Structural style	Electromagnet	DC-AC
Voltage specification	AC230V, 400V	AC110V, 230V, 400V, DC24V, 110V, 220V
Rated frequency	50Hz	50Hz

Wiring diagram



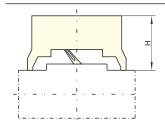
Description: SB1, SB2 is separately the on and off button;

P1, P2 are the external power line terminal. P1 will be connected to "+", and P2 will be connected to "-" if the external power source is DC.

(P-051) Moulded Case Circuit Breakers | Functions and features

Motor-driven mechanism

Installation sketch of electric operational mechanism



Frame size	63A	160A	250A	400A	800A	1000A	1250/1600A
	125A	IOUA	320A	630A			
Installation size H(mm)	93	97	97.5	154	154	154.5	156.5







Scheme diagram of assembly of manual operational mechanism with the body

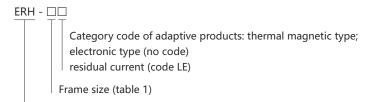


PIA-M2

ERH manual operational mechanism

Function: It realizes switching on, off and restriping via rotary handle according to human body mechanics with unique design and transmission device.

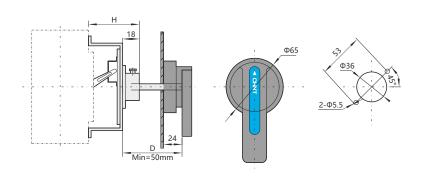
Model description



Name code of manual operational mechanism

For example: manual operational mechanism code of 63/125 frame residual current operating: ERH-M1LE

Installation diagram of manual operational mechanism



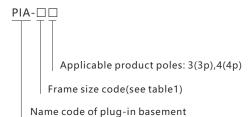
Frame sine	63A	160A	250A	400A	800A	1000A	1250/1600A	
Frame size	125A	IOUA	320A	630A	OUUA	TOUUA		
Installation sizes(mm)	53.5	61.5	63.5	98	97	97	68.5	

Note: Installation dimension of thermal magnetic type moulded circuit breaker is 98mm, and for residual current circuit breaker is 96mm.

PIA plug-in basement

Function: It is convenient to replace moulded case circuit breaker without disassembling inlet-outlet line.

Model description



For example: plug-in basement code of 160 frame three-pole circuit breaker: PIA-M2 3



FCP-M4



Assembly scheme diagram of front connection plate and the body



RCP-M3

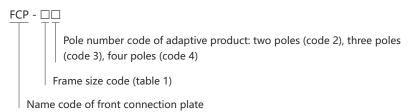


Assembly scheme diagram of rear connection plate and the body

FCP front connection plate

Function: It grants the breaker a flexible line connecting way. The phase spacing can increase via accessories so as to increase the electrical space between the adjacent phases of line terminal of input and output of breaker, and thus increase the safety among the lines.

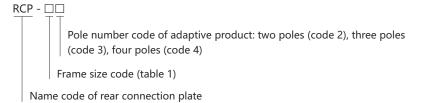
Model description:



RCP rear connection plate

Function: It grants the breaker with flexible line connecting way, which is used to match the switch board or other requirements so as to realize the line connecting on the back of the installation plate.

Model description



For example: 63/125 frame three-pole circuit breaker with rear connection plate code: RCP-M 13



PTU-1







Navigation key interface

Handheld test module (PTU-1)

Handheld test module is the extension of the circuit breaker function, it can connection circuit breaker through USB interface, also the information of circuit breaker can be displayed in the handheld test module. User can query and set the parameters of the circuit breaker as needed. Users can easily monitor and repair the circuit breaker.

- Features:
- Query the factory parameters, shell current, rated current, communication address and other informations of the circuit breaker;
- Query overload long delay, short delay, short circuit instantaneous, N phase protection, ground fault current value, operating time and other settings parameters;
- Query real-time phase current value of the circuit breaker ABCN phase, the last fault alarm current parameter value;
- Set the protection characteristic parameter of circuit breaker.(Not available for Dial-type electronic circuit breakers);
- Can set the display brightness, screensaver power, serial communication parameters and circuit breaker communication address;
- Circuit breaker analog signal trip test.

Power supply	Single 14500 lithium-ion battery
117	3
Battery capacity	≥800mAh
Operational Voltage	3.7 ~ 4.2V
Charging method	USB +5V
Control mode	Pushbutton
LCD screen	3.2 inch TFT color, vertical screen display
Backlight brightness	1~100 level adjustment
Screensaver saving	30 to 120 seconds can be set, can be closed
Battery power monitoring	Yes
Continuous working hours	2h
Operating temperature	-20°C ~ 70°C
Wired communication	Protocol: Modbus-RTU Serial communication rate: 1200/2400/4800/9600/19200bps

- Operating:
- Use five navigation keys with three shortcuts and one power key, it can provide users with simple and quick operation experience;
- The five navigation keys default to up, down, left, right, and confirmation;
- The three shortcut keys are R, W, T, respectively, for the read parameters, set the parameters of the test test trip;
- Power key press two seconds to switch operation, and operating tips are on the bottom of each pages.



COMA-3



R485 Connection port



Circuit breaker communication

Modbus Communication module(COMA-3)

COMA-3 external Modbus communication module (Electronic type) is the extension of the circuit breaker function. Through the connection with the circuit breaker communication interface to achieve the physical layer of signal conversion. The interface of the RS485 communication module can be connected to the host computer and realize the remote function of the circuit breaker.

- Features:
- Built-in power supply module, can connect with an external power of 220V AC or 24V DC;
- Features:The communication module will supplies power to the circuit breaker electronic
- Features:Can convert the communication single between the circuit breaker and host computer;
- Features:Remote control of two relay output by receiving the instructions of the host computer;
- Features:Meet the users` need of the circuit breaker network construction.
- Characteristic:

Voltage	DC24V
Power consumption	≤2.8W
Communication rate	RS485 Communication baud rate: 1200/2400/4800/9600/19200 bps
Relay output capacity	5A, DC 30V
Operating temperature	-20°C ~ 70°C

- Installation via DIN35-7.5 standard rail.

Complementary Data

Altitude reducing capacity and correction coefficient table

It has no impact on the breaker feature where the altitude equals to 2000 m or below. The breaker electrical feature shall be corrected according to the following table.

Altitude (m)	2000	3000	4000	5000
Correction coefficient of operating current	1ln	0.94ln	0.88In	0.85In
Maximum operationnal voltage (V)	690	600	500	440
Insulation voltage (V)	1000	800	700	600
Power frequency withstand voltage (V)	3000	2500	2000	1800

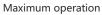
Plug-in and rear connection current derating table

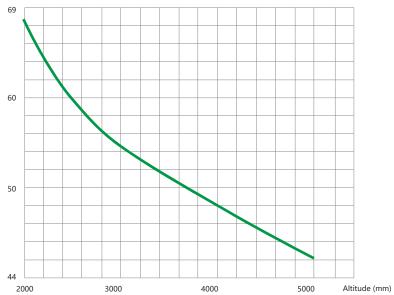
Frame size	Rated current(A)	Plug-in derating current(A)	Note
630	500	450	
030	630	520	
800	700	650	
800	800	720	
1000	900	850	
	1000	920	

Note: There is no need of current derating as no specification in the table



Altitude derating curve





Electronic type derating coefficient table

Frame size	Rated current	Long-time delay current setting	-25℃	-20℃	-15℃	-10℃	-5℃	-0℃	Rated current	40°C	45℃	50℃	55℃	60°C	65℃	70°C
NXMS-160	32A、63A、	I _R <0.65In	1.2I _R	1.2I _R	1.11 _R	1.11 _R	1.05I _R	1.051 _R	32A、63A、125A	1.0In			0.9In	0.85In	0.8In	0.8In
INVINI2-100	125A、160A	I _R >0.65In	1.01 _R						160A	1.0In		0.9In	0.85In	0.8In	0.7In	0.7In
NIVAC 250	250A	I _R <0.58In	1.15I _R	1.15I _R	1.15I _R	1.051 _R	$1.05I_{\scriptscriptstyle R}$	1.051 _R	250A	1.0In			0.9In	0.85In	0.015	0.8In
NXMS-250	250A	I _R >0.58In	1.01 _R						250A	1.0111			0.9111	0.03111	0.0111	0.0111
NXMS-630	400A. 630A	ALL	1.01。						400A	1.0In			0.9In	0.85In	0.8In	0.8In
INVINI2-020	400A, 630A	ALL	1.01 _R						630A	1.0In		0.9In	0.85In	0.8In	0.7In	0.7In
NXMS-1000	800A、1000A	ALL	1.01 _R						800A	1.0In			0.9In	0.85In	0.8In	0.8In

Power loss table

Product model	Making current(A)	Simula mala mariatana a (m.O)	3/4pole total power loss				
Product model	Waking current(A)	Single pole resistance (mΩ)	Front connection	Rear connection	Plug-in rear connection		
NXM-63	63	0.75	24	27	28		
NXM-125	125	0.72	28	31	32		
NXM-160	160	0.4	60	87	89		
NXM-250	250	0.2	63	90	90		
NXM-400	400	0.15	68	72	100		
NXM-630	630	0.14	180	190	200		
NXM-800	800	0.08	200	230	290		
NXM-1000	1000	0.06	250	280	300		
NXM-1600	1600	0.027	280	-	-		
NXMS-160	160	0.2	40	50	62		
NXMS-250	250	0.18	50	75	86		
NXMS-400	400	0.1	58	87	90		
NXMS-630	630	0.08	110	120	130		
NXMS-1000	1000	0.05	140	155	167		
NXMS-1600	1600	0.02	250	_	-		
NXMLE-160	160	0.73	60	87	89		
NXMLE-250	250	0.27	63	90	90		
NXMLE-400	400	0.11	68	72	100		
NXMLE-630	630	0.09	180	190	200		
NXHM-63	63	0.4	28	31	35		
NXHM-125	125	0.6	60	87	87		
NXHM-160	160	0.2	40	50	62		
NXHM-250	250	0.18	50	75	86		
NXHM-320	320	0.19	55	80	89		
NXHM-400	400	0.1	58	87	90		
NXHM-630	630	0.08	110	120	130		
NXHM-800	800	0.05	200	230	290		
NXHM-1000	1000	0.02	140	155	167		

Parameter table of connecting cable/copper bar

The reference section of connecting cable/copper bar with different rated current is as follows.

Rated current (A)	Section of wire (mm²)
10	1.5
16, 20	2.5
25	4.0
32	6.0
40, 50	10
63	16
70, 75,80	25
100	35
125, 140, 150	50
160	70
180, 200, 225	95
250	120
280, 315, 320, 350	185
400	240

