



LOW VOLTAGE ELECTRONIC COMPONENTS PROFESSIONAL MANUFACTURER OF

—
【ODM/OEM • Shared manufacturing plant】



PRODUCT DEVELOPMENT HISTORY

2016
★ company startup



2018
★ Derivative series STM6E electronic and STM6RT thermomagnetic adjustable

2020
★ Developed the smallest 1250 frame size products in the industry, covering multiple varieties such as thermomagnetic, electronic and thermomagnetic adjustable

2021
★ Completed the development of the first generation ECB series products
★ Completed the development of DC6 series electric operation, with small size and reliable performance

2022
★ Successfully developed the first domestic 2000 type molded case circuit breaker, covering multiple varieties such as thermomagnetic, electronic and thermomagnetic adjustable
★ Research and development of the second generation of the ECB series with remote control, remote communication, remote control, telemetry functions

2023
★ Developed and completed the new energy products STM7 high voltage and DC series for photovoltaic and wind power generation
★ With the measurement of current, voltage, power, electric energy and "four remote" function of the Internet of Things circuit breaker, the first with fast reclosing function circuit breaker small size, reliable performance

2017
★ Successfully developed STM6 thermomagnetic molded case circuit breaker for mass production

2019
★ Developed the industry's first switch type intelligent phase-change switch
★ Derived series STM6LY thermomagnetic residual current circuit breaker
★ Derived series STM6AL thermal overload alarm without action





CONTENTS



A

Molded case circuit breaker series		01-44
	STM6 series molded case circuit breaker	01-08
	STM6AL series thermomagnetic molded case circuit breaker (overload alarm without trip)	09-14
	STM6RT series thermomagnetic double adjustable molded case circuit breaker	15-20
	STM6LY series thermomagnetic leakage molded case circuit breaker	21-26
	STM6E series electronic molded case circuit breaker	27-32
	STM6EY series electronic LCD molded case circuit breaker	33-38
	STM6ELY series electronic LCD leakage molded case circuit breaker	39-44



B

New energy circuit breaker series		45-50
	STM7 series new energy high-voltage circuit breaker	45-47
	STM7DC series new energy DC circuit breaker	48-50



C

IoT circuit breaker series		51-54
	IoT circuit breaker	51-52
	IoT intelligent circuit breaker	53-54




D

Reclosing circuit breaker series		55-60
	STM6LE photovoltaic IoT reclosing circuit breaker	55-58
	Residual current operated circuit breaker	59-60

E

Phase-change switch series		61-64
	Three-phase unbalanced phase-change switch	61-62
	Multifunctional phase-change switch	63-64

F

Electric operation series		65-70
	DC6 series electric operating mechanism	65-66
	Intelligent four-remote circuit breaker	67-68
	ECB cost control molded case circuit breaker	69-70

STM6

Supreme • Prospective

Thermomagnetic molded case circuit breaker



- Low temperature rise
- Small volume
- Integration
- Multiple contact blades design
- Equipped with thermomagnetic protection function

STM6 series thermomagnetic molded case circuit breaker

STM6 series thermomagnetic molded case circuit breaker quick selection table

STM6 -	160	M	P1	/	4	3
Product code: STM6 series thermomagnetic molded case circuit breaker	Frame current optional code: 125 160 250 400 630 800 1250 2000	Short circuit breaking capacity optional code: C : Basic type S : Standard type M : Moderate H : High breaking type Note: 400、630、800、1250、2000A only available for M and H types	Optional operation code: No code: direct operation P1 : DC3 electric operation (market standard) P2 : DC6 series electric operation (SHANGTU type) ZY1 : Rotating handle (manual center type-circular handle)- (preferred for regular type) ZF1 : Rotating handle (manual center type-square handle) ZY2 : Rotating handle (manual eccentric-circular handle) ZF2 : Rotating handle (manual eccentric-square handle) Z3 : Rotating handle (manual operation integrated) (Only available for 125, 160 and 250) Note: 1P and 2P products only have direct operation function Electric operating voltage: DC24, DC110V, DC220V AC230V, AC400V; Conventional: AC230V.		Poles number code: 1: 1P 2: 2P 3: 3P 4: 4P Note: 125: 1P, 2P, 3P, 4P 160: 2P (except for M, H), 3P, 4P 250-2000: only 3P, 4P	Release method optional code: 2 : Only electromagnetic release 3 : Thermal+ electromagnetic release

00	2	2	1	/	P	Z	In=100A
Internal accessory optional code: Internal accessory optional code: See the "Installation details of internal accessories for STM6 series thermomagnetic molded case circuit breaker" Note: 125: 1P product has no internal accessories; The standard factory default is lead type: wire length 500mm (other lengths need to be customized); the terminal types can be custom-made; undervoltage accessories only have terminal types	Usage code : No code: For power distribution protection 2: For motor protection Note: ≤ 40A 8.5In no action, 500A action, 700A-2000A no motor protection type	4P product optional code: A: The N pole is not equipped with overcurrent release, and the N pole is always connected B: The N pole is not equipped with overcurrent release, and the N pole is open and closed together with the other three poles C: The N pole is equipped with overcurrent release and the N pole is open and closed together with the other three poles D: The N pole is equipped with overcurrent release, and the N pole is always connected	Additional function code: No code: normal product V: Low temperature rise type 50K VI: Low temperature rise type 40K		Optional installation and wiring method code: No code: front-panel wiring (fixed type) P: Connection bar (extension copper bar) Z1: Back-panel wiring (fixed type) Z2Q: Plug-in front-panel wiring (split type) Z2H: plug-in back-panel wiring (split type) Z3Q: plug-in front-panel wiring (integrated type) Z3H: plug-in back-panel wiring (integrated type) DF: Draw-out front-panel wiring DR: Draw-out back-panel wiring K: Wiring box type JK: Incoming terminal only: wiring box type CK: Outgoing terminal only: wiring box type Note: The 1P and 2P products only have connecting bars and back-panel wiring Draw-out type not available for 125, 160, 250; 4P plug-in type (split type) not available for 125 and 2000 only have connecting bars	Protective accessory code No code: normal product Z: Terminal cover Note: The terminal cover only available for three poles; 400, 630 are classified to narrow and long type, wide and long type, default to wide and long type; 125, 2000, currently unavailable	Rated current: 125 : 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A, 80A, 100A, 125A 160 : 16A, 20A, 25A, 32A, 40A, 50A, 63A, 80A, 100A, 125A, 160A, 180A, 200A, 225A, 250A 400 : 250A, 315A, 350A, 400A 630 : 400A, 500A, 630A 800 : 500A, 630A, 700A, 800A 1250 : 800A, 1000A, 1250A 2000 : 1000A, 1250A, 1500A, 2000A

STM6 series thermomagnetic molded case circuit breaker

Supreme • Prospective

Main performance indicator

Molded case circuit breaker	STM6-125				STM6-160				
Frame current In:	10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A, 80A, 100A, 125A				10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A, 80A, 100A, 125A, 140A, 160A				
Short circuit breaking capacity code:	C	S	M	H	C	S	M	H	
Number of poles:	1P; 2P; 3P; 4P				2P (无M/H); 3P; 4P				
Rated working voltage Ue (V), AC:	AC230V AC400V AC690V	AC230V AC400V AC690V	AC230V(1P); AC400V(2P/3P/4P)	AC230V(1P); AC400V(2P/3P/4P)	AC230V AC400V AC690V	AC230V; AC400V; AC690V	AC230V AC400V AC690V	AC230V AC400V AC690V	
Rated insulation voltage Ui (V):	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	
Rated impulse withstand voltage Uimp (kV):	8kV	8kV	8kV	8kV	8kV	8kV	8kV	8kV	
Rated service short-circuit breaking capacity Ics (% Icu);	AC230V:	5kA	15kA	35kA (3P/4P)	50kA	7kA	10kA	25kA	35kA
	AC400V:	5kA	13kA(3P/4P)	18kA(2P/3P/4P)	50kA	10kA	13kA;	18kA	35kA (2P) 50kA (3P/4P)
	AC690V:	3kA	3kA(3P/4P)	5kA(3p/4P)	8kA	2kA	3kA	5kA	10kA
Rated ultimate short-circuit breaking capacity Icu (kA):	AC230V:	8kA	30kA	36kA (1P) 50kA (3P/4P)	50kA	10kA	20kA	30kA	50kA
	AC400V:	8kA	25kA(3p/4P)	36kA(2P/3P/4P)	50kA	15kA	25kA	36kA	50kA
	AC690V:	5kA	6kA(3p/4P)	10kA(3p/4P)	15kA	8kA	6kA	10kA	15kA

Selective category: Class A

Overcurrent release type:	Thermomagnetic type							
STM6 outline dimension (mm)	Frame current	STM6-125				STM6-160		
	Number of poles	1P	2P	3P	4P	2P	3P	4P
Width		25	50	75	100	60	90	120
Width (W)*Length (L)*Height (H)	Length	130	130	130	130	155	155	155
	Height/face cover	68	68	68	68	68/82	68/82	68/82
	Height/handle	94.5	94.5	94.5	94.5	94/108	94/108	94/108

Note: The height from the bottom of the base to the (face cover/handle)

STM6 series thermomagnetic molded case circuit breaker

Main performance indicator

Molded case circuit breaker	STM6-250				STM6-400			STM6-630		
Frame current In:	100A,125A,140A,160A,180A,200A,225A,250A				250A, 315A, 350A, 400A			500A, 630A		
Short circuit breaking capacity code:	C	S	M	H	S	M	H	M	H	
Number of poles:	3P; 4P				3P; 4P			3P; 4P		
Rated working voltage Ue (V), AC:	AC230V AC400V AC690V	AC230V; AC400V; AC690V	AC230V AC400V AC690V	AC230V AC400V AC690V	AC230V AC400V AC690V	AC230V AC400V AC690V	AC230V AC400V AC690V	AC230V AC400V AC690V	AC230V AC400V AC690V	
Rated insulation voltage Ui (V):	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	
Rated impulse withstand voltage Uimp (kV):	8kV	8kV	8kV	8kV	8kV	8kV	8kV	8kV	8kV	
Rated service short-circuit breaking capacity Ics (% Icu);	AC230V:	20kA	25kA	40kA	50kA	25kA	40kA	50kA	20kA	30kA
	AC400V:	10kA	15kA	35kA	50kA	15kA	35kA	65kA	35kA	65kA
	AC690V:	3kA	4kA	10kA	15kA	4kA	10kA	12kA	5kA	30kA
Rated ultimate short-circuit breaking capacity Icu (kA):	AC230V:	30kA	50kA	65kA	70kA	50kA	65kA	70kA	30kA	50kA
	AC400V:	15kA	30kA	50kA	65kA	30kA	50kA	65kA	50kA	65kA
	AC690V:	5kA	8kA	15kA	20kA	8kA	20kA	25kA	10kA	20kA

Selective category: Class A

Overcurrent release type:	Thermomagnetic type							
STM6 outline dimension (mm)	Frame current	STM6-250		STM6-400		STM6-630		
	Number of poles	3P	4P	3P	4P	3P	4P	
Width		105	140	140	184	140	184	
Width (W)*Length (L)*Height (H)	Length	165	165	257	257	257	257	
	Height/face cover	68	88	68	88	103	103	
	Height/handle	96	116	96	116	152	152	

Note: The height from the bottom of the base to the (face cover/handle)

STM6 series thermomagnetic molded case circuit breaker

Supreme • Prospective

Main performance indicator

Molded case circuit breaker	STM6-800		STM6-1250			STM6-2000		
Frame current In:	500A, 630A, 700A, 800A		630A, 700A, 800A, 1000A, 1250A			1000A, 1250A, 1600A, 2000A		
Short circuit breaking capacity code:	M	H	S	M	H	M	H	
Number of poles:	3P; 4P		3P; 4P			3P; 4P		
Rated working voltage Ue (V), AC:	AC230V AC400V AC690V	AC230V AC400V AC690V	AC240V; AC400V; C690V	AC230V AC400V AC690V	AC230V AC400V AC690V	AC400V AC690V	AC690V AC400V	
Rated insulation voltage Ui (V):	1000V	1000V	1000V	1000V	1000V	1000V	1000V	
Rated impulse withstand voltage Uimp (kV):	8kV	8kV	8kV	8kV	8kV	8kV	8kV	
Rated service short-circuit breaking capacity Ics (% Icu):	AC230V:	65kA	70kA	40kA	65kA	70kA	-	-
	AC400V:	50kA	65kA	35kA	50kA	65kA	50kA	85kA
	AC690V:	15kA	20kA	10kA	15kA	20kA	20kA	20kA
Rated ultimate short-circuit breaking capacity Icu (kA):	AC230V:	80kA	85kA	65kA	80kA	85kA	-	-
	AC400V:	65kA	85kA	50kA	65kA	85kA	50kA	100kA
	AC690V:	25kA	35kA	20kA	25kA	35kA	20kA	20kA
Selective category:	Class A							
Overcurrent release type:	Thermomagnetic type							
STM6 outline dimension (mm)	Frame current	STM6-800		STM6-1250		STM6-2000		
	Number of poles	3P	4P	3P	4P	3P	4P	
Width (W)*Length (L)*Height (H)	Width	210	280	210	280	210	280	
	Length	275.5	275.5	275.5	275.5	340	340	
	Height/face cover	103	103	103	103	141	141	
	Height/handle	152	152	152	152	244	244	

Note: The height from the bottom of the base to the (face cover/handle)

STM6 series thermomagnetic molded case circuit breaker

Accessory

Molded case circuit breaker:	STM6-125				STM6-160			STM6-250		
Number of poles	1P	2P	3P	4P	2P	3P	4P	3P	4P	
STM6 external accessories:	Electric operation	—	—	■	■	—	■	■	■	■
	Manual operation	—	—	■	■	—	■	■	■	■
	Extension copper bar	■	■	■	■	■	■	■	■	■
	Mechanical interlocking	—	—	■	■	—	■	■	■	■
	Plug-in front-panel split type	—	—	■	■	—	■	■	■	■
	Plug-in front-panel integrated type	—	—	■	■	—	■	■	■	■
	Plug-in front-panel fixed type	—	—	■	■	—	■	■	■	■
	Plug-in back-panel split type	—	—	■	■	—	■	■	■	■
	Plug-in back-panel integrated type	—	—	■	■	—	■	■	■	■
	Plug-in back-panel fixed type	—	—	■	■	—	■	■	■	■
Draw-out back-panel type	—	—	—	—	—	—	—	—	—	

STM6 series thermomagnetic molded case circuit breaker

Supreme • Prospective

Accessory

Molded case circuit breaker:		STM6-400		STM6-630		STM6-800		STM6-1250		STM6-2000	
Number of poles		3P	4P	3P	4P	3P	4P	3P	4P	3P	4P
STM6 external accessories:	Electric operation	■	■	■	■	■	■	■	■	■	■
	Manual operation	■	■	■	■	■	■	■	■	■	■
	Extension copper bar	■	■	■	■	■	■	■	■	■	■
	Mechanical interlocking	■	■	■	■	■	■	—	—	—	—
	Plug-in front-panel split type	■	■	■	■	■	■	—	—	—	—
	Plug-in front-panel integrated type	■	■	■	■	■	■	—	—	—	—
	Plug-in front-panel fixed type	■	■	■	■	■	■	—	—	—	—
	Plug-in back-panel split type	■	■	■	■	■	■	—	—	—	—
	Plug-in back-panel integrated type	■	■	■	■	■	■	—	—	—	—
	Plug-in back-panel fixed type	■	■	■	■	■	■	—	—	—	—
Draw-out back-panel type	■	—	■	—	■	—	—	—	—	—	

STM6 series thermomagnetic molded case circuit breaker

Installation details of internal accessories for STM6 series thermomagnetic molded case circuit breaker

Internal accessory code and installation location	Model	STM6-125		STM6-160			STM6-250		STM6-400/630		STM6-800/1250/2000		
		Number of poles		2P	3P	4P	2P	3P	4P	3P	4P	3P	4P
Accessory name													
00	None	—	—	—	—	—	—	—	—	—	—	—	—
08	Alarm contact	—	□	□	—	□	□	□	□	□	□	□	□
10	Shunt release	□	□	□	□	□	□	□	□	□	□	□	□
18	Shunt release alarm contact	—	□	□	—	□	□	□	□	□	□	□	□
20	Single auxiliary contact	□	□	□	□	□	□	□	□	□	□	□	□
27	Dual auxiliary contacts	□	□	□	□	□	□	□	□	□	□	□	□
28	Single auxiliary contact+alarm contact	—	□	□	—	□	□	□	□	□	□	□	□
29	Dual auxiliary contacts+alarm contact	—	□	□	—	□	□	□	□	□	□	□	□
30	Undervoltage release	□	□	□	□	□	□	□	□	□	□	□	□
38	Undervoltage release+alarm contact	—	□	□	—	□	□	□	□	□	□	□	□
40	Shunt release+single auxiliary contact	—	□	□	—	□	□	□	□	□	□	□	□
41	Shunt release+dual auxiliary contacts	—	□	□	—	□	□	□	□	□	□	□	□
48	Shunt release+auxiliary alarm contact	—	□	□	—	□	□	□	□	□	□	□	□
50	Shunt release+undervoltage release	—	□	□	—	□	□	□	□	□	□	□	□
60	Two sets of single auxiliary contacts	—	□	□	—	□	□	□	□	□	□	□	□
61	Single auxiliary contact+dual auxiliary contacts	—	□	□	—	□	□	□	□	□	□	□	□
62	Two sets of dual auxiliary contacts	—	□	□	—	□	□	□	□	□	□	□	□
68	Single auxiliary contact+auxiliary alarm contact	—	□	□	—	□	□	□	□	□	□	□	□
69	Dual auxiliary contacts+auxiliary alarm contact	—	□	□	—	□	□	□	□	□	□	□	□
70	Undervoltage release+single auxiliary contact	—	□	□	—	□	□	□	□	□	□	□	□
71	Undervoltage release+dual auxiliary contacts	—	□	□	—	□	□	□	□	□	□	□	□
78	Undervoltage release+auxiliary alarm contact	—	□	□	—	□	□	□	□	□	□	□	□



Note 1:
Code 50: 125, 160 require customized left undervoltage release; 250 requires customized left shunt release, with optional range of shunt and undervoltage voltage: DC24V, DC110V, DC220V, AC230V, AC400V; conventional: AC230V.

STM6AL

Supreme • Prospective

Thermomagnetic molded case circuit breaker (overload alarm without trip)



- Dedicated to fire protection
- Dedicated to hospital
- Overload unceasing power protection

STM6ALseries thermomagnetic molded case circuit breaker (overload alarm without trip)

STM6AL series thermomagnetic molded case circuit breaker quick selection table (overload alarm without trip)

STM6AL -	160	M	P1	/	4	3
Product code: STM6AL series thermomagnetic molded case circuit breaker (overload alarm without trip)	Frame current optional code: 160 250 400 630 800	Short circuit breaking capacity optional code: C: Basic type S: Standard type M: Moderate breaking type H: High breaking type Note: Conventional: M type; 400, 630 and 800 only have M and H types	Optional operation code : No code: direct operation P1: DC3 electric operation (market standard) P2: DC6 series electric operation (SHANGTU type)ZY1: Rotating handle (manual center type- circular handle)-(preferred for regular type) ZF1: Rotating handle (manual center type-square handle) ZY2: Rotating handle (manual eccentric-circular handle) ZF2: Rotating handle (manual eccentric-square handle) Z3: Rotating handle (manual operation integrated) Note: Electric operating voltage: DC24, DC110V, DC220V AC230V, AC400V; Conventional: AC230V. .		Poles number code: 3: 3P 4: 4P	Release method optional code: 3: Thermal electromagnetic release

0	2	B	P	Z	In=100A
Internal accessory optional code: See "Installation details of internal accessories for STM6AL series thermomagnetic molded case circuit breaker (overload alarm without trip)" Note: The standard factory default is lead type: wire length 500mm (other lengths need to be customized); terminal types can be custom-made; undervoltage accessories only have terminal types	Usage code No code:For power distribution protection 2: For motor protection ≤ 40A 8.5In no action, 500A action, 700A-800A no motor protection type	4P product optional code: A: The N pole is not equipped with overcurrent release, and the N pole is always connected B: The N pole is not equipped with overcurrent release, and the N pole is open and closed together with the other three poles C: The N pole is equipped with overcurrent release and the N pole is open and closed together with the other three poles D: The N pole is equipped with overcurrent release, and the N pole is always connected	Optional installation and wiring method code: No code: front-panel wiring (fixed type) P: Connection bar (extension copper bar) Z1: Back-panel wiring (fixed type) Z2Q: Plug-in front-panel wiring (split type) Z2H: plug-in back-panel wiring (split type) Z3Q: plug-in front-panel wiring (integrated type) Z3H: plug-in back-panel wiring (integrated type) DF: Draw-out front-panel wiring DR: Draw-out back-panel wiring Note: 160 and 250 have no draw-out type;	Protective accessory code : No code: normal product Z: Terminal cover Note: The terminal cover only available for three poles; 400, 630 are classified to narrow and long type, wide and long type, default to wide and long type;	Rated current: 160 : 16A, 20A, 25A, 32A, 40A, 50A, 63A, 80A, 100A, 125A, 160A 250 : 100A, 125A, 140A, 160A, 180A, 200A, 225A, 350A, 400A 630 : 500A, 630A 800 : 630A, 800A

STM6AL series thermomagnetic molded case circuit breaker (overload alarm without trip)

Supreme • Prospective

Main performance indicator

Molded case circuit breaker:	STM6AL-160				STM6AL-250				
Frame current In:	16A, 20A, 25A, 32A, 40A, 50A, 63A, 80A, 100A, 125A, 140A, 160A				100A, 125A, 140A, 160A, 180A, 200A, 225A, 250A				
Short circuit breaking capacity code:	C	S	M	H	C	S	M	H	
Number of poles:	3P; 4P				3P; 4P				
Rated working voltage Ue (V), AC:	AC400V	AC400V	AC400V	AC400V	AC400V	AC400V	AC400V	AC400V	
Rated insulation voltage Ui (V):	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	
Rated impulse withstand voltage Uimp (kV):	8kV	8kV	8kV	8kV	8kV	8kV	8kV	8kV	
Rated service short-circuit breaking capacity Ics (% Icu):	AC400V	3kA	5kA	10kA	50kA	3kA	5kA	10kA	50kA
Rated ultimate short-circuit breaking capacity Icu (kA)	AC400V	5kA	8kA	20kA	50kA	5kA	8kA	20kA	50kA
Selective category:	Class A								
Overcurrent release type:	Thermomagnetic type								
	Frame current	STM6AL-160				STM6AL-250			
	Number of poles	3P		4P		3P		4P	
STM6AL outline dimension (mm)	Width	90		120		105		140	
	Length	155		155		165		165	
Width (W)*Length (L)*Height (H)	Height/face cover	68	82	68	82	68	88	68	88
	Height/handle	94	108	94	108	96	116	96	116

Note: The height from the bottom of the base to the (face cover/handle)

STM6AL series thermomagnetic molded case circuit breaker (overload alarm without trip)

Main performance indicator

Molded case circuit breaker:	STM6AL-400		STM6AL-630		STM6AL-800		
Frame current In:	320A, 350A, 400A		400A, 500A, 630A		630A, 700A, 800A		
Short circuit breaking capacity code:	M	H	M	H	M	H	
Number of poles:	3P; 4P		3P; 4P		3P; 4P		
Rated working voltage Ue (V), AC:	AC400V	AC400V	AC400V	AC400V	AC400V	AC400V	
Rated insulation voltage Ui (V):	1000V	1000V	1000V	1000V	1000V	1000V	
Rated impulse withstand voltage Uimp (kV):	8kV	8kV	8kV	8kV	8kV	8kV	
Rated service short-circuit breaking capacity Ics (% Icu):	AC400V	36kA	50kA	36kA	50kA	50kA	65kA
Rated ultimate short-circuit breaking capacity Icu (kA)	AC400V	50kA	50kA	50kA	50kA	65kA	85kA
Selective category:	Class A						
Overcurrent release type:	Thermomagnetic type						
	Frame current	STM6AL-400		STM6AL-630		STM6AL-800	
	Number of poles	3P	4P	3P	4P	3P	4P
STM6AL outline dimension (mm)	Width	140	184	140	184	210	280
	Length	257	257	257	257	275.5	275.5
Width (W)*Length (L)*Height (H)	Height/face cover	103	103	103	103	103	103
	Height/handle	152	152	152	152	152	152

Note: The height from the bottom of the base to the (face cover/handle)

STM6AL series thermomagnetic molded case circuit breaker (overload alarm without trip)

Supreme • Prospective

Accessory

Molded case circuit breaker:		STM6AL-160		STM6AL-250		STM6AL-400		STM6AL-630		STM6AL-800	
Number of poles		3P	4P	3P	4P	3P	4P	3P	4P	3P	4P
STM6AL external accessories:	Electric operation	■	■	■	■	■	■	■	■	■	■
	Manual operation	■	■	■	■	■	■	■	■	■	■
	Extension copper bar	■	■	■	■	■	■	■	■	■	■
	Mechanical interlocking	■	■	■	■	■	■	■	■	■	■
	Plug-in front-panel split type	■	■	■	■	■	■	■	■	■	■
	Plug-in front-panel integrated type	■	■	■	■	■	■	■	■	■	■
	Plug-in front-panel fixed type	■	■	■	■	■	■	■	■	■	■
	Plug-in back-panel split type	■	■	■	■	■	■	■	■	■	■
	Plug-in back-panel integrated type	■	■	■	■	■	■	■	■	■	■
	Plug-in back-panel fixed type	■	■	■	■	■	■	■	■	■	■
	Draw-out back-panel type	—	—	—	—	■	—	■	—	■	—

STM6AL series thermomagnetic molded case circuit breaker (overload alarm without trip)

STM6AL series thermomagnetic molded case circuit breaker (overload alarm without trip)

Internal accessory code and installation location	Model Number of poles Accessory name	STM6AL-160		STM6AL-250		STM6AL-400		STM6AL-800	
		3P	4P	3P	4P	3P	4P	3P	4P
00	None	—	—	—	—	—	—	—	—
08	Alarm contact	□	□	□	□	□	□	□	□
10	Shunt release	—	—	●	●	●	●	●	●
18	Shunt release+alarm contact	—	—	—	—	●	●	●	●
20	Single auxiliary contact	■	■	■	■	■	■	■	■
27	Dual auxiliary contacts	■	■	■	■	■	■	■	■
28	Single auxiliary contact+alarm contact	■	■	■	■	■	■	■	■
29	Dual auxiliary contacts+alarm contact	—	—	—	—	■	■	■	■
30	Undervoltage release	○	○	○	○	○	○	○	○
38	Undervoltage release+alarm contact	—	—	—	—	○	○	○	○
40	Shunt release+single auxiliary contact	—	—	—	—	●	●	●	●
41	Shunt release+dual auxiliary contacts	—	—	—	—	●	●	●	●
48	Shunt release auxiliary alarm contact	—	—	—	—	●	●	●	●
50	Shunt release undervoltage release	—	—	—	—	—	—	—	—
60	Two sets of single auxiliary contacts	—	—	—	—	■	■	■	■
61	Single auxiliary contact+dual auxiliary contacts	—	—	—	—	■	■	■	■
62	Two sets of dual auxiliary contacts	—	—	—	—	—	—	—	—
68	Single auxiliary contact+auxiliary alarm contact	—	—	—	—	■	■	■	■
69	Dual auxiliary contacts+auxiliary alarm contact	—	—	—	—	■	■	■	■
70	Undervoltage release+single auxiliary contact	—	—	—	—	○	○	○	○
71	Undervoltage release+dual auxiliary contacts	—	—	—	—	—	—	—	—
78	Undervoltage release+auxiliary alarm contact	—	—	—	—	○	○	○	○



Note 1: Code 50: 125, 160 require customized left undervoltage release; 250 requires customized left shunt release, with optional range of shunt and undervoltage voltage: DC24V, DC110V, DC220V, AC230V, AC400V; conventional: AC230V.

STM6RT

Supreme • Prospective

Thermomagnetic double adjustable molded case circuit breaker



- Low temperature rise
- Small volume
- With thermal adjustable 0.8-1.0 In
- Magnetic adjustable 5-10In protection function
- Multi-contact structure design

STM6RT/RT-A/RT-P thermomagnetic double adjustable/ thermal adjustable/magnetic adjustable/molded case circuit breaker

STM6RT/RT-A/RT-P series thermomagnetic double adjustable molded case circuit breaker quick selection table

STM6RT-	160	M	P1	/	4	3
Product code: STM6RT series thermomagnetic double adjustable molded case circuit breaker	Frame current optional code: 125 160 250 400 630 800 1250 2000 Note: 125 only available for STM6RT/A	Short circuit breaking capacity optional code: C: Basic type S: Standard type M: Moderate breaking type H: High breaking type Note: Conventional: M type; 400, 630, 800, 1250 and 2000 only have M and H types	Optional operation code: No code: direct operation P1: DC3 electric operation (market standard) P2: DC6 series electric operation (SHANGTU type) ZY1: Rotating handle (manual center type-circular handle)-(preferred for regular type) ZF1: Rotating handle (manual center type-square handle) ZY2: Rotating handle (manual eccentric-circular handle) ZF2: Rotating handle (manual eccentric-square handle) Z3: Rotating handle (manual operation integrated) (Only available for 160 and 250) Note: Electric operating voltage: DC24, DC110V, DC220V AC230V, AC400V; Conventional: AC230V.		Poles number code: 3: 3P 4: 4P	Release method optional code: 3: Thermal+electromagnetic release

0	B	P	Z	In=100A
Internal accessory optional code: See "Installation details of internal accessories for STM6RT series thermomagnetic double adjustable molded case circuit breaker" Note: The standard factory default is lead type: wire length 500mm (other lengths need to be customized); terminal types can be custom-made; undervoltage accessories only have terminal types	4P product optional code: A: The N pole is not equipped with overcurrent release, and the N pole is always connected B: The N pole is not equipped with overcurrent release, and the N pole is open and closed together with the other three poles C: The N pole is equipped with overcurrent release and the N pole is open and closed together with the other three poles D: The N pole is equipped with overcurrent release, and the N pole is always connected	Optional installation and wiring method code: No code: front-panel wiring (fixed type) P: Connection bar (extension copper bar) Z1: Back-panel wiring (fixed type) Z2Q: Plug-in front-panel wiring (split type) Z2H: plug-in back-panel wiring (split type) Z3Q: plug-in front-panel wiring (integrated type) Z3H: plug-in back-panel wiring (integrated type) DF: Draw-out front-panel wiring DR: Draw-out back-panel wiring Note: 160 and 250 have no draw-out type; 1250 and 2000 only have connecting bars	Protective accessory code No code: normal product Z: Terminal cover Note: The terminal cover only available for three poles; 400, 630 are classified to narrow and long type, wide and long type, default to wide and long type;	Rated current: 125:20A、 25A、 32A、 40A、 50A、 63A、 80A、 100A、 125A 160 : 25A、 32A、 40A、 50A、 63A、 80A、 100A、 125A、 160A 250 : 160A、 180A、 200A、 225A、 250A 400 : 315A、 350A、 400A 630 : 500A、 630A 800 : 630A、 800A 1250 : 1000A、 1250A 2000:1600A

STM6RT/RT-A/RT-P thermomagnetic double adjustable molded case circuit breaker

Supreme • Prospective

Main performance indicator

Molded case circuit breaker:	STM6RT/A-125				STM6RT-160				STM6RT-250				
Frame current In:	16A, 20A, 25A, 32A, 40A, 50A, 63A, 80A, 100A, 125A,				25A, 32A, 40A, 50A, 63A, 80A, 100A, 125A, 140A, 160A				100A, 125A, 140A, 160A, 180A, 200A, 225A, 250A				
Short circuit breaking capacity code:	C	S	M	H	C	S	M	H	C	S	M	H	
Number of poles:	3P; 4P				3P; 4P				3P; 4P				
Rated working voltage Ue (V), AC:	AC400V	AC400V	AC400V	AC400V	AC400V	AC400V	AC400V	AC400V	AC400V	AC400V	AC400V	AC400V	
Rated insulation voltage Ui (V):	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	
Rated impulse withstand voltage Uimp (kV):	8kV	8kV	8kV	8kV	8kV	8kV	8kV	8kV	8kV	8kV	8kV	8kV	
Rated service short-circuit breaking capacity Ics (% Icu):	AC400V	5kA	10kA	18kA	50kA	5kA	10kA	10kA	50kA	5kA	8kA	10kA	50kA
Rated ultimate short-circuit breaking capacity Icu (kA)	AC400V	10kA	20kA	36kA	50kA	8kA	20kA	20kA	50kA	8kA	15kA	20kA	50kA
Selective category:	Class A												
Overcurrent release type:	Thermomagnetic type												
	Frame current	STM6RT/A-125				STM6RT-160				STM6RT-250			
	Number of poles	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P
STM6RT outline dimension (mm)	Width	75	100	90	120	105	140						
Width (W)*Length (L)*Height (H)	Length	130	130	155	155	165	165						
	Height/face cover	68	68	68	82	68	82	68	88	68	88		
	Height/handle	94.5	94.5	94	108	94	108	96	116	96	116		

Note: The height from the bottom of the base to the (face cover/handle)

STM6RT/RT-A/RT-P thermomagnetic double adjustable molded case circuit breaker

Main performance indicator

Molded case circuit breaker:	STM6RT-400		STM6RT-630		STM6RT-800		STM6RT-1250		STM6RT-2000			
Frame current In:	320A, 350A, 400A		400A, 500A, 630A;		630A, 700A, 800A		1000A, 1250A		1600A			
Short circuit breaking capacity code:	M	H	M	H	M	H	M	H	M	H		
Number of poles:	3P; 4P		3P; 4P		3P; 4P		3P; 4P		3P; 4P			
Rated working voltage Ue (V), AC:	AC400V	AC400V	AC400V	AC400V	AC400V	AC400V	AC400V	AC400V	AC400V	AC400V		
Rated insulation voltage Ui (V):	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V		
Rated impulse withstand voltage Uimp (kV):	8kV	8kV	8kV	8kV	8kV	8kV	8kV	8kV	8kV	8kV		
Rated service short-circuit breaking capacity Ics (% Icu):	AC400V	50kA	50kA	50kA	50kA	50kA	50kA	65kA	50kA	65kA	50kA	85kA
Rated ultimate short-circuit breaking capacity Icu (kA)	AC400V	50kA	50kA	50kA	50kA	65kA	85kA	65kA	85kA	50kA	100kA	
Selective category:	Class A											
Overcurrent release type:	Thermomagnetic type											
	Frame current	STM6RT-400		STM6RT-630		STM6RT-800		STM6RT-1250		STM6RT-2000		
	Number of poles	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	
STM6RT outline dimension (mm)	Width	140	184	140	184	210	280	210	280	210	280	
Width (W)*Length (L)*Height (H)	Length	257	257	257	257	275.5	275.5	275.5	275.5	340	340	
	Height/face cover	103	103	103	103	103	103	103	103	141	141	
	Height/handle	152	152	152	152	152	152	152	152	244	244	

Note: The height from the bottom of the base to the (face cover/handle)

STM6RT thermomagnetic double adjustable molded case circuit breaker

Supreme • Prospective

Accessory

Molded case circuit breaker:	STM6RT/A-125		STM6RT-160		STM6RT-250		STM6RT-400		STM6RT-630		STM6RT-800		STM6RT-1250		STM6RT-2000	
Number of poles	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P
Electric operation	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Manual operation	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Extension copper bar	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Mechanical interlocking	■	■	■	■	■	■	■	■	■	■	■	■	—	—	—	—
Plug-in front-panel split type	■	■	■	■	■	■	■	■	■	■	■	■	—	—	—	—
Plug-in front-panel integrated type	■	■	■	■	■	■	■	■	■	■	■	■	—	—	—	—
Plug-in front-panel fixed type	■	■	■	■	■	■	■	■	■	■	■	■	—	—	—	—
Plug-in back-panel split type	■	■	■	■	■	■	■	■	■	■	■	■	—	—	—	—
Plug-in back-panel integrated type	■	■	■	■	■	■	■	■	■	■	■	■	—	—	—	—
Plug-in back-panel fixed type	■	■	■	■	■	■	■	■	■	■	■	■	—	—	—	—
Draw-out back-panel type	—	—	—	—	—	—	■	—	■	—	■	—	—	—	—	—

STM6RT thermomagnetic double adjustable molded case circuit breaker

Installation details of internal accessories for STM6RT series thermomagnetic double adjustable molded case circuit breaker

Internal accessory code and installation location	Model	Number of poles															
		STM6RT/A-125		STM6RT-160		STM6RT-250		STM6RT-400/630		STM6RT-800/1250/2000							
Accessory name		3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P		
00	None	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
08	Alarm contact	□	□	□	□	□	□	□	□	□	□	□	□	□	□		
10	Shunt release	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
18	Shunt release+alarm contact	□●	□●	□●	□●	□●	□●	□●	□●	□●	□●	□●	□●	□●	□●		
20	Single auxiliary contact	■	■	■	■	■	■	■	■	■	■	■	■	■	■		
27	Dual auxiliary contacts	■	■	■	■	■	■	■	■	■	■	■	■	■	■		
28	Single auxiliary contact+alarm contact	■□	■□	■□	■□	■□	■□	■□	■□	■□	■□	■□	■□	■□	■□		
29	Dual auxiliary contacts+alarm contact	■□	■□	■□	■□	■□	■□	■□	■□	■□	■□	■□	■□	■□	■□		
30	Undervoltage release	○	○	○	○	○	○	○	○	○	○	○	○	○	○		
38	Undervoltage release+alarm contact	○□	○□	○□	○□	○□	○□	○□	○□	○□	○□	○□	○□	○□	○□		
40	Shunt release+single auxiliary contact	●■	●■	●■	●■	●■	●■	●■	●■	●■	●■	●■	●■	●■	●■		
41	Shunt release+dual auxiliary contacts	●■	●■	●■	●■	●■	●■	●■	●■	●■	●■	●■	●■	●■	●■		
48	Shunt release auxiliary alarm contact	●□	●□	●□	●□	●□	●□	●□	●□	●□	●□	●□	●□	●□	●□		
50	Shunt release undervoltage release	●○	●○	●○	●○	●○	●○	●○	●○	●○	●○	●○	●○	●○	●○		
60	Two sets of single auxiliary contacts	■	■	■	■	■	■	■	■	■	■	■	■	■	■		
61	Single auxiliary contact+dual auxiliary contacts	■	■	■	■	■	■	■	■	■	■	■	■	■	■		
62	Two sets of dual auxiliary contacts	■	■	■	■	■	■	■	■	■	■	■	■	■	■		
68	Single auxiliary contact+auxiliary alarm contact	■□	■□	■□	■□	■□	■□	■□	■□	■□	■□	■□	■□	■□	■□		
69	Dual auxiliary contacts+auxiliary alarm contact	■□	■□	■□	■□	■□	■□	■□	■□	■□	■□	■□	■□	■□	■□		
70	Undervoltage release+single auxiliary contact	○■	○■	○■	○■	○■	○■	○■	○■	○■	○■	○■	○■	○■	○■		
71	Undervoltage release+dual auxiliary contacts	○■	○■	○■	○■	○■	○■	○■	○■	○■	○■	○■	○■	○■	○■		
78	Undervoltage release+auxiliary alarm contact	○□	○□	○□	○□	○□	○□	○□	○□	○□	○□	○□	○□	○□	○□		



Note 1:
Code 50: 125, 160 require customized left undervoltage release; 250 requires customized left shunt release, with optional range of shunt and undervoltage voltage: DC24V, DC110V, DC220V, AC230V, AC400V; conventional: AC230V.

STM6LY

Supreme • Prospective

Thermomagnetic leakage molded case circuit breaker



- Thermomagnetic protection function
- Residual current protection function
- Function of leakage alarm without trip is optional

STM6LY thermomagnetic leakage molded case circuit breaker

STM6LY series thermomagnetic leakage molded case circuit breaker quick selection table

STM6LY -	160	M	P1	/	4	3
Product code: STM6LY series thermomagnetic leakage molded case circuit breaker	Frame current optional code: 125 160 250 400 630 800 1250	Short circuit breaking capacity optional code: C: Basic type S: Standard type M: Moderate breaking type H: High breaking Note: 125, 160 and 250 only have C and S types, 400, 630, 800 and 1250 only have M and H types	Optional operation code: No code: direct operation P1: DC3 electric operation (market standard) P2: DC6 series electric operation (SHANGTU type) ZY1: Rotating handle (manual center type-circular handle)-(preferred for regular type) ZF1: Rotating handle (manual center type-square handle) ZY2: Rotating handle (manual eccentric-circular handle) ZF2: Rotating handle (manual eccentric-square handle) Z3: Rotating handle (manual operation integrated) (Only available for 160 and 250) Note: Electric operating voltage: DC24, DC110V, DC220V AC230V, AC400V; Conventional: AC230V.		Poles number code: 3: 3P 4: 4P Note: The 2P product has only 160, and the conventional product is 4P	Release method optional code: 2: Only electromagnetic release 3: Thermal electromagnetic release

0	2	B	II	/	P	Z	In=100A
Internal accessory optional code: See "Installation details of internal accessories for STM6LY series thermomagnetic leakage molded case circuit breaker Note: The standard factory default is lead type: wire length 500mm (other lengths need to be customized); terminal types can be custom-made; undervoltage accessories only have terminal types	Usage code : No code: For power distribution protection 2: For motor protection Note: ≤40A 8.5In no action, 500A action, 700A-800A no motor protection type	4P product optional code: A: The N pole is not equipped with overcurrent release, and the N pole is always connected B: The N pole is not equipped with overcurrent release, and the N pole is open and closed together with the other three poles C: The N pole is equipped with overcurrent release and the N pole is open and closed together with the other three poles D: The N pole is equipped with overcurrent release, and the N pole is always connected	Additional function code : No code: normal product I: Leakage alarm with trip II: Leakage alarm without trip T: Communication function (Modbus protocol)		Optional installation and wiring method code: No code: front-panel wiring (fixed type) P: Connection bar (extension copper bar) Z1: Back-panel wiring (fixed type) Z2Q: Plug-in front-panel wiring (split type) Z2H: plug-in back-panel wiring (split type) Z3Q: plug-in front-panel wiring (integrated type) Z3H: plug-in back-panel wiring (integrated type) DF: Draw-out front-panel wiring DR: Draw-out back-panel wiring Note: 160 and 250 have no draw-out type;	Protective accessory code : No code: normal product Z: Terminal cover Note: The terminal cover only available for three poles; 400, 630 are classified to narrow and long type, wide and long type, default to wide and long type;	Rated current: 125: 16A, 20A, 25A, 32A, 40A, 50A, 63A, 80A, 100A, 125A 160: 16A, 20A, 25A, 32A, 40A, 50A, 63A, 80A, 100A, 125A, 160A, 250A 250: 100A, 125A, 160A, 250A, 180A, 200A, 225A, 250A 400: 250A, 315A, 350A, 400A 800: 500A, 630A, 700A, 800A 1250: 900A, 1000A, 1250A

STM6LY thermomagnetic leakage molded case circuit breaker

Supreme • Prospective

Main performance indicator

Molded case circuit breaker :	STM6LY-125				STM6LY-160				STM6LY-250				STM6LY-400		
Frame current In:	16A, 20A, 25A, 30A, 32A, 40A, 50A, 60A, 63A, 75A, 80A, 90A, 100A, 125A				16A, 20A, 25A, 30A, 32A, 40A, 50A, 60A, 63A, 75A, 80A, 90A, 100A, 125A, 140A, 150A, 160A				100A, 125A, 140A, 150A, 160A, 175A, 180A, 200A, 225A, 250A				250A, 315A, 350A, 400A		
Short circuit breaking capacity code:	C	S	M	H	C	S	M	H	C	S	M	H	M	H	
Number of poles:	2P; 3P; 4P				2P; 3P; 4P				3P; 4P				3P; 4P		
Rated working voltage Ue (V), AC:	AC230V(2P), AC400V(3P, 3P+N, 4P)				AC230V(2P), AC400V(3P, 3P+N, 4P)				AC400V				AC400V		
Rated insulation voltage Ui (V):	1000V 1000V 1000V 1000V				1000V 1000V 1000V 1000V				1000V 1000V 1000V 1000V				1000V 1000V		
Rated impulse withstand voltage Uimp (kV):	8kV	8kV	8kV	8kV	8kV	8kV	8kV	8kV	8kV	8kV	8kV	8kV	8kV	8kV	
Rated service short-circuit breaking capacity Ics (% Icu):	AC400V	3kA	5kA	18kA	35kA	10kA	15kA	25kA	35kA	10kA	18kA	25kA	35kA	35kA	42kA
Rated ultimate short-circuit breaking capacity Icu (kA):	AC400V	5kA	8kA	25kA	35kA	15kA	20kA	25kA	35kA	15kA	25kA	35kA	50kA	50kA	65kA
I Δ m:	12.5kA	12.5kA	12.5kA	12.5kA	-	-	12.5kA	12.5kA	-	-	12.5kA	12.5kA	-	16.25kA	
Rated residual operation type	AC type														
Selective category:	Class A														
Overcurrent release type:	Thermomagnetic type														
Leakage release type:	Electronic														
STM6LY outline dimension (mm)	Frame current	STM6LY-125				STM6LY-160				STM6LY-250				STM6LY-400	
	Number of poles	2P	3P	4P	2P	3P	4P	3P	14P	3P	4P				
	Width	50	75	100	60	90	120	105	140	140	184				
	Length	130	130	130	155	155	155	165	165	257	257				
	Height/face cover	68	68	68	68	68	68	68	68	103	103				
Width (W)*Length (L)*Height (H)	Height/handle	94.5	94.5	94.5	94	94	94	96	96	152	152				

Note: The height from the bottom of the base to the (face cover/handle)

STM6LY thermomagnetic leakage molded case circuit breaker

Main performance indicator

Molded case circuit breaker :	STM6LY-630		STM6LY-800		STM6LY-1250		
Frame current In:	400A, 500A, 630A		500A, 630A, 700A, 800A		1000A, 1250A		
Short circuit breaking capacity code:	M	H	M	H	M	H	
Number of poles:	3P; 4P		3P; 4P		3P; 4P		
Rated working voltage Ue (V), AC:	AC400V	AC400V	AC400V	AC400V	AC400V	AC400V	
Rated insulation voltage Ui (V):	1000V	1000V	1000V	1000V	1000V	1000V	
Rated impulse withstand voltage Uimp (kV):	8kV	8kV	8kV	8kV	8kV	8kV	
Rated service short-circuit breaking capacity Ics (% Icu):	AC400V	35kA	50kA	35kA	50kA	35kA	50kA
Rated ultimate short-circuit breaking capacity Icu (kA):	AC400V	50kA	65kA	50kA	65kA	50kA	65kA
Rated residual operating current I Δ n(mA)::	50mA, 100mA, 200mA, 300mA, 500mA, 800mA, 1000mA (Optional four adjustable gears)		50mA, 100mA, 200mA, 300mA, 500mA, 800mA, 1000mA (Optional four adjustable gears)		50mA, 100mA, 200mA, 300mA, 500mA, 800mA, 1000mA (Optional four adjustable gears)		
I Δ m:	16.25kA	16.25kA	16.25kA	16.25kA	16.25kA	16.25kA	
Rated residual operation type	AC type						
Selective category:	Class A						
Overcurrent release type:	Thermomagnetic type						
Leakage release type:	Electronic						
STM6LY outline dimension (mm)	Frame current	STM6LY-630		STM6LY-800		STM6LY-1250	
	Number of poles	3P	4P	3P	4P	3P	4P
	Width	140	184	210	280	210	280
	Length	257	257	275.5	275.5	275.5	275.5
	Height/face cover	103	103	103	103	103	103
Width (W)*Length (L)*Height (H)	Height/handle	152	152	152	152	152	152

Note: The height from the bottom of the base to the (face cover/handle)

STM6LY thermomagnetic leakage molded case circuit breaker

Supreme • Prospective

Accessory

Molded case circuit breaker:	STM6LY 125			STM6LY 160			STM6LY 250		STM6LY 400		STM6LY 630		STM6LY 800		STM6LY 1250		
	2P	3P	4P	2P	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	
Number of poles	2P	3P	4P	2P	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	
STM6LY external accessories:	Electric operation	—	■	■	—	■	■	■	■	■	■	■	■	■	■	■	■
	Manual operation	—	■	■	—	■	■	■	■	■	■	■	■	■	■	■	■
	Extension copper bar	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	Mechanical interlocking	—	■	■	—	■	■	■	■	■	■	■	■	■	■	—	—
	Plug-in front-panel split type	—	■	■	—	■	■	■	■	■	■	■	■	■	■	—	—
	Plug-in front-panel integrated type	—	■	■	—	■	■	■	■	■	■	■	■	■	■	—	—
	Plug-in front-panel fixed type	—	■	■	—	■	■	■	■	■	■	■	■	■	■	—	—
	Plug-in back-panel split type	—	■	■	—	■	■	■	■	■	■	■	■	■	■	—	—
	Plug-in back-panel integrated type	—	■	■	—	■	■	■	■	■	■	■	■	■	■	—	—
	Plug-in back-panel fixed type	—	■	■	—	■	■	■	■	■	■	■	■	■	■	—	—
Draw-out back-panel type	—	—	—	—	—	—	—	—	■	—	■	—	—	—	—	—	

STM6LY thermomagnetic leakage molded case circuit breaker

Installation details of internal accessories for STM6LY series thermomagnetic leakage molded case circuit breaker

Internal accessory code and installation location	Model	Number of poles															
		STM6LY-125		STM6LY-160		STM6LY-250		STM6LY-400		STM6LY-800/1250		3P		4P			
		3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P				
00	None	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
08	Alarm contact	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	
10	Shunt release	—	●	—	●	●	●	●	●	●	●	●	●	●	●	●	
18	Shunt release+alarm contact	—	□●	—	□●	—	□●	●	●	●	●	●	●	●	●	●	
20	Single auxiliary contact	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
27	Dual auxiliary contacts	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
28	Single auxiliary contact+alarm contact	■□	■□	■□	■□	■□	■□	■□	■□	■□	■□	■□	■□	■□	■□	■□	
29	Dual auxiliary contacts+alarm contact	—	□■	—	□■	—	□■	■	■	■	■	■	■	■	■	■	
30	Undervoltage release	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
38	Undervoltage release+alarm contact	—	□○	—	□○	—	□○	○	○	○	○	○	○	○	○	○	
40	Shunt release+single auxiliary contact	—	■●	—	■●	—	■●	■	■	■	■	■	■	■	■	■	
41	Shunt release+dual auxiliary contacts	—	■●	—	■●	—	■●	■	■	■	■	■	■	■	■	■	
48	Shunt release auxiliary alarm contact	—	■□	—	■□	—	■□	■	■	■	■	■	■	■	■	■	
50	Shunt release undervoltage release	—	○●	—	○●	—	○●	○	○	○	○	○	○	○	○	○	
60	Two sets of single auxiliary contacts	—	■	—	■	—	■	■	■	■	■	■	■	■	■	■	
61	Single auxiliary contact+dual auxiliary contacts	—	■	—	■	—	■	■	■	■	■	■	■	■	■	■	
62	Two sets of dual auxiliary contacts	—	■	—	■	—	■	■	■	■	■	■	■	■	■	■	
68	Single auxiliary contact+auxiliary alarm contact	—	■□	—	■□	—	■□	■	■	■	■	■	■	■	■	■	
69	Dual auxiliary contacts+auxiliary alarm contact	—	■□	—	■□	—	■□	■	■	■	■	■	■	■	■	■	
70	Undervoltage release+single auxiliary contact	—	○■	—	○■	—	○■	○	○	○	○	○	○	○	○	○	
71	Undervoltage release+dual auxiliary contacts	—	○■	—	○■	—	○■	○	○	○	○	○	○	○	○	○	
78	Undervoltage release+auxiliary alarm contact	—	○□	—	○□	—	○□	○	○	○	○	○	○	○	○	○	



Note 1:
Code 50: 125, 160 require customized left undervoltage release; 250 requires customized left shunt release, with optional range of shunt and undervoltage voltage: DC24V, DC110V, DC220V, AC230V, AC400V; conventional: AC230V.

STM6E

Supreme • Prospective

Electronic molded case circuit breaker



- Low temperature rise
- Integration ● Small volume
- Multiple contact blades design
- Equipped with electronic and thermomagnetic dual protection functions

STM6E electronic molded case circuit breaker

STM6E series electronic molded case circuit breaker quick selection table

STM6E-	160	M	P1	/	4	3
Product code: STM6E series electronic molded case circuit breaker quick selection table	Frame current optional code: 160 250 400 630 800 1250 2000	Short circuit breaking capacity optional code: C: Basic type S: Standard type M: Moderate breaking type H: High breaking type Note: Conventional: M type; 400, 630, 800, 1250 and 2000 only have M and H types	Optional operation code: No code: direct operation P1: DC3 electric operation (market standard) P2: DC6 series electric operation (SHANGTU type) ZY1: Rotating handle (manual center type-circular handle)-(preferred for regular type) ZF1: Rotating handle (manual center type-square handle) ZY2: Rotating handle (manual eccentric-circular handle) ZF2: Rotating handle (manual eccentric-square handle) Z3: Rotating handle (manual operation integrated) (Only available for 160 and 250) Note: Electric operating voltage: DC24, DC110V, DC220V AC230V, AC400V; Conventional: AC230V.		Poles number code: 3: 3P 4: 4P	Knob optional code: 3: 3 knobs 6: 6 knobs

00	2	B	G	/	P	Z	In=100A
Internal accessory optional code: See "Installation details of internal accessories for STM6E series electronic molded case circuit breaker" Note: The standard factory default is lead type wire length 500mm (other lengths need to be customized); terminal types can be custom- made; undervoltage accessories only have terminal types	Usage code No code: For power distribution protection 2: For motor protection Note: Magnetic protection 14In no action, 20In action, 700A-2000A no motor protection type	4P product optional code: A: The N pole is not equipped with overcurrent release, and the N pole is always connected B: The N pole is not equipped with overcurrent release, and the N pole is open and closed together with the other three poles C: The N pole is equipped with overcurrent release and the N pole is open and closed together with the other three poles D: The N pole is equipped with overcurrent release, and the N pole is always connected	Additional function code: No code: normal product G: With grounding protection III: Overload alarm without trip R: thermomagnetic protection function V: Low temperature rise type 40K VI: Low temperature rise type 50K VII: Low temperature rise type 60K		Optional installation and wiring method code: No code: front-panel wiring (fixed type) P: Connection bar (extension copper bar) Z1: Back-panel wiring (fixed type) Z2Q: Plug-in front-panel wiring (split type) Z2H: plug-in back-panel wiring (split type) Z3Q: plug-in front-panel wiring (integrated type) Z3H: plug-in back-panel wiring (integrated type) DF: Draw-out front-panel wiring DR: Draw-out back-panel wiring Note: 160 and 250 have no draw-out type; 1250 and 2000 only have connecting bars	Protective accessory code No code: normal product Z: Terminal cover Note: The terminal cover only available for three poles; 400, 630 are classified to narrow and long type, wide and long type, default to wide and long type; 2000 currently unavailable	Rated current: 160: 32A (0.4-1.0In adjustable); 63A (0.4-1.0In adjustable); 100A (0.4-1.0In adjustable); 125A (0.4-1.0In adjustable); 160A (0.4-1.0In adjustable); 250#: 250A (0.4-1.0In adjustable) 400#: 400A (0.4-1.0In adjustable) 630#: 630A (0.4-1.0In adjustable) 800#: 800A (0.4-1.0In adjustable); 800A (0.4-1.0In adjustable); 1250#: 1000A (0.4-1.0In adjustable); 1250A (0.4-1.0In adjustable); 2000#: 1250A (0.4-1.0In adjustable); 1600A (0.4-1.0In adjustable); 2000A: (0.4-1.0In adjustable)

STM6E electronic molded case circuit breaker

Supreme • Prospective

Main performance indicator

Molded case circuit breaker:	STM6E-160			STM6E-250			STM6E-400		STM6E-630		
Frame current In:	32A(12A~32A adjustable), 100A(40A~100A adjustable), 160A(63A~160A adjustable)			250A (100A-250A adjustable)			400A (160A-400A adjustable) (200A-400A adjustable)		630A (250A-630A adjustable) (400A-630A adjustable)		
Short circuit breaking capacity code:	S	M	H	S	M	H	M	H	M	H	
Number of poles:	3P; 4P			3P; 4P			3P; 4P		3P; 4P		
Rated working voltage Ue (V), AC:	AC400V; AC690V			AC400V; AC690V			AC400V; AC690V		AC400V; AC690V		
Rated insulation voltage Ui (V):	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	
Rated impulse withstand voltage Uimp (kV)	8kV	8kV	8kV	8kV	8kV	8kV	8kV	8kV	8kV	8kV	
Rated service short-circuit breaking capacity Ics (% Icu)	AC400V	18kA	35kA	65kA	18kA	35kA	65kA	35kA	70kA	35kA	70kA
Rated ultimate short-circuit breaking capacity Icu (kA)	AC690V	4kA	8kA	8kA	8kA	8kA	8kA	8kA	8kA	8kA	8kA
Rated short-term withstand current Icw(kA)	AC400V	25kA	50kA	65kA	25kA	50kA	65kA	50kA	70kA	50kA	70kA
Rated short-term withstand current Icw(kA)	AC690V	8kA	8kA	8kA	4kA	8kA	8kA	8kA	8kA	8kA	8kA
Rated short-term withstand current Icw(kA)	-	-	-	-	-	-	-	10kA/1s	10kA/1s	10kA/1s	10kA/1s
Applicable frequency:	50/60Hz		50/60Hz		50/60Hz		50/60Hz		50/60Hz		
Selective category:	Class A			Class B							
Overcurrent release type:	Electronic										
STM6E outline dimension (mm)	Frame current	STM6E-160		STM6E-250		STM6E-400		STM6E-630			
Width (W)*Length (L)*Height (H)	Number of poles	3P	4P	3P	4P	3P	4P	3P	4P		
	Width	90	120	105	140	140	184	140	184		
	Length	155	155	165	165	257	257	257	257		
	Height/face cover	68/82	68/82	68/88	68/88	103	103	103	103		
	Height/handle	94/108	94/108	96/116	96/116	152	152	152	152		

Note: The height from the bottom of the base to the (face cover/handle)

STM6E electronic molded case circuit breaker

Main performance indicator

Molded case circuit breaker:	STM6E-800		STM6E-1250		STM6E-2000		
Frame current In:	630A (400A-630A adjustable) 800A (500A-800A adjustable)		1000A (630A-1000A adjustable) 1250A (850A-1250A adjustable)		1250A (500A-1250A adjustable) 1600A (630A-1600A adjustable) 2000A (800A-2000A adjustable)		
Short circuit breaking capacity code:	M	H	M	H	M	H	
Number of poles:	3P; 4P		3P; 4P		3P; 4P		
Rated working voltage Ue (V), AC:	AC400V, AC690V		AC400V, AC690V		AC400V, AC690V		
Rated insulation voltage Ui (V):	1000V	1000V	1000V	1000V	1000V	1000V	
Rated impulse withstand voltage Uimp (kV)	8kV	8kV	8kV	8kV	8kV	8kV	
Rated service short-circuit breaking capacity Ics (% Icu)	AC400V	50kA	50kA	50kA	50kA	50kA	85kA
Rated ultimate short-circuit breaking capacity Icu (kA)	AC690V	10kA	10kA	10kA	10kA	20kA	20kA
Rated short-term withstand current Icw(kA)	AC400V	65kA	65kA	65kA	65kA	50kA	100kA
Rated short-term withstand current Icw(kA)	AC690V	20kA	20kA	20kA	20kA	20kA	20kA
Rated short-term withstand current Icw(kA)	20kA/1s	20kA/1s	20kA/1s	20kA/1s	20kA/1s	20kA/1s	
Applicable frequency:	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	
Selective category:	Class B						
Overcurrent release type:	Electronic						
STM6E outline dimension (mm)	Frame current	STM6E-800		STM6E-1250		STM6E-2000	
Width (W)*Length (L)*Height (H)	Number of poles	3P	4P	3P	4P	3P	4P
	Width	210	280	210	280	210	280
	Length	275.5	275.5	275.5	275.5	340	340
	Height/face cover	103	103	103	103	141	141
	Height/handle	152	152	152	152	244	244

Note: The height from the bottom of the base to the (face cover/handle)

Accessory

Molded case circuit breaker:		STM6E 160		STM6E 250		STM6E-400		STM6E 630		STM6E 800		STM6E 1250		STM6E 2000	
Number of poles		3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P
STM6E external accessories:	Electric operation	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	Manual operation	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	Extension copper bar	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	Mechanical interlocking	■	■	■	■	■	■	■	■	■	—	—	—	—	—
	Plug-in front-panel split type	■	■	■	■	■	■	■	■	■	—	—	—	—	—
	Plug-in front-panel integrated type	■	■	■	■	■	■	■	■	■	—	—	—	—	—
	Plug-in front-panel fixed type	■	■	■	■	■	■	■	■	■	—	—	—	—	—
	Plug-in back-panel split type	■	■	■	■	■	■	■	■	■	—	—	—	—	—
	Plug-in back-panel integrated type	■	■	■	■	■	■	■	■	■	—	—	—	—	—
	Plug-in back-panel fixed type	■	■	■	■	■	■	■	■	■	—	—	—	—	—
Draw-out back-panel type	—	—	—	—	■	—	■	—	■	—	—	—	—	—	

STM6E series electronic molded case circuit breaker quick selection table

Internal accessory code and installation location	Model	STM6E-160		STM6E-250		STM6E-400/630		STM6E-800/1250		STM6E-2000	
		3P	4P	3P	4P	3P	4P	3P	4P	3P	4P
00	None	—	—	—	—	—	—	—	—	—	—
08	Alarm contact	□	□	□	□	□	□	□	□	□	□
10	Shunt release	□	□	□	□	□	□	□	□	□	□
18	Shunt release+alarm contact	□	□	□	□	□	□	□	□	□	□
20	Single auxiliary contact	□	□	□	□	□	□	□	□	□	□
27	Dual auxiliary contacts	□	□	□	□	□	□	□	□	□	□
28	Single auxiliary contact+alarm contact	□	□	□	□	□	□	□	□	□	□
29	Dual auxiliary contacts+alarm contact	—	—	—	—	□	□	□	□	□	□
30	Undervoltage release	○	○	○	○	○	○	○	○	○	○
38	Undervoltage release+alarm contact	—	—	—	—	□	□	□	□	□	□
40	Shunt release+single auxiliary contact	□	□	□	□	□	□	□	□	□	□
41	Shunt release+dual auxiliary contacts	□	□	□	□	□	□	□	□	□	□
48	Shunt release auxiliary alarm contact	□	□	□	□	□	□	□	□	□	□
50	Shunt release undervoltage release	○	○	○	○	○	○	○	○	○	○
60	Two sets of single auxiliary contacts	—	—	—	—	□	□	□	□	□	□
61	Single auxiliary contact+dual auxiliary contacts	—	—	—	—	□	□	□	□	□	□
62	Two sets of dual auxiliary contacts	—	—	—	—	□	□	□	□	□	□
68	Single auxiliary contact+auxiliary alarm contact	—	—	—	—	□	□	□	□	□	□
69	Dual auxiliary contacts+auxiliary alarm contact	—	—	—	—	□	□	□	□	□	□
70	Undervoltage release+single auxiliary contact	—	—	—	—	□	□	□	□	□	□
71	Undervoltage release+dual auxiliary contacts	—	—	—	—	□	□	□	□	□	□
78	Undervoltage release+auxiliary alarm contact	—	—	—	—	□	□	□	□	□	□



Note 1: Code 50: 125, 160 require customized left undervoltage release; 250 requires customized left shunt release, with optional range of shunt and undervoltage voltage: DC24V, DC110V, DC220V, AC230V, AC400V; conventional: AC230V.

STM6EY

Supreme • Prospective

Electronic LCD molded case circuit breaker



- Real-time display of three-phase voltage and load current;
- Equipped with 0.5 class high-precision measurement, four-remote control, overvoltage, undervoltage and phase loss protection functions

STM6EY electronic LCD molded case circuit breaker

STM6EY series electronic LCD molded case circuit breaker quick selection table

STM6EY -	250	M	P1	/	4	3
Product code: STM6EY series electronic LCD molded case circuit breaker	Frame current optional code: 250 400 630 800 1250	Short-circuit breaking capacity optional code: M: Moderate breaking type H: High breaking type Note: Conventional:M type;	Optional operation code: No code: direct operation P1: DC3 electric operation (market standard) P2: DC6 series electric operation (SHANGTU type) ZY1: Rotating handle (manual center type-circular handle)-(preferred for regular type) ZF1: Rotating handle (manual center type-square handle) ZY2: Rotating handle (manual eccentric-circular handle) ZF2: Rotating handle (manual eccentric-square handle) Z3: Rotating handle (manual operation integrated) (Only available for 160 and 250) Note: Electric operating voltage: DC24, DC110V, DC220V AC230V, AC400V; Conventional: AC230V.		Poles number code: 3: 3P 4: 4P	Knob optional code: 3: 3 knobs 6: 6 knobs

00	2	B	JL	/	P	Z	In=250A
Internal accessory optional code: See "Installation details of internal accessories for STM6EY series electronic molded case circuit breaker" Note: The standard factory default is lead type; wire length 500mm (other lengths need to be customized); terminal types can be custom-made; undervoltage accessories only have terminal types	Usage code No code: For power distribution protection 2: For motor protection Note: Magnetic protection 14In no action, 20In action, 700A-2000A no motor protection type	4P product optional code: A: The N pole is not equipped with overcurrent release, and the N pole is always connected B: The N pole is not equipped with overcurrent release, and the N pole is open and closed together with the other three poles C: The N pole is equipped with overcurrent release and the N pole is open and closed together with the other three poles D: The N pole is equipped with overcurrent release, and the N pole is always connected	Additional function code: No code: normal product G: With grounding protection III: Overload alarm without trip R: thermomagnetic protection function V: Low temperature rise type 40K VI: Low temperature rise type 50K VII: Low temperature rise type 60K		Optional installation and wiring method code: No code: front-panel wiring (fixed type) P: Connection bar (extension copper bar) Z1: Back-panel wiring (fixed type) Z2Q: Plug-in front-panel wiring (split type) Z2H: plug-in back-panel wiring (split type) Z3Q: plug-in front-panel wiring (integrated type) Z3H: plug-in back-panel wiring (integrated type) DF: Draw-out front-panel wiring DR: Draw-out back-panel wiring Note: 160 and 250 have no draw- out type; 1250 and 2000 only have connecting bars	Protective accessory code No code: normal product Z: Terminal cover Note: The terminal cover only available for three poles; 400, 630 are classified to narrow and long type, wide and long type, default to wide and long type; 2000 currently unavailable	Rated current: 250#: 125A (0.4-1.0In) ; 250A (0.4-1.0In) ; 400#: 400A (0.4-1.0In) ; 630#: 630A (0.4-1.0In) ; 800#: 630A (0.4-1.0In) ; 800A (0.4-1.0In) ; 1250#: 1000A (0.4-1.0In) ; 1250A (0.4-1.0In) ;

Main performance indicator

Molded case circuit breaker :	STM6EY-250		STM6EY-400		STM6EY-630		
Frame current In:	125A (0.4-1.0In) ; 250A (0.4-1.0In) ;		400A (0.4-1.0In) ;		630A (0.4-1.0In) ;		
Short circuit breaking capacity code:	M	H	M	H	M	H	
Number of poles:	3P, 4P		3P, 4P		3P, 4P		
Rated working voltage Ue (V), AC:	AC400V		AC400V		AC400V		
Rated insulation voltage Ui (V):	1000V		1000V		1000V		
Rated impulse withstand voltage Uimp (KV):	8kV		8kV		8kV		
Rated service short-circuit breaking capacity Ics (kA):	AC400V	35kA	65kA	50kA	70kA	50kA	70kA
Rated ultimate short-circuit breaking capacity Icu (kA):	AC400V	50kA	65kA	50kA	70kA	50kA	70kA
Rated short-term withstand current Icw (kA):	-	-	10kA/1s	10kA/1s	10kA/1s	10kA/1s	
Selective category:	Class B						

Overcurrent release type:

Electronic

STM6EY outline dimension (mm) Width (W)*Length(L)*Height (H))	Frame current	STM6EY-250		STM6EY-400		STM6EY-630	
	Number of poles	3P	4P	3P	4P	3P	4P
	Width	105	140	140	184	210	280
	Length	165		257		275.5	
	Height/face cover	88		103		103	
	Height/handle	116		152		152	

Note: The height from the bottom of the base to the (face cover/handle)

Main performance indicator

Molded case circuit breaker :	STM6EY-800		STM6EY-1250		
Frame current In:	630A (0.4-1.0In) ; 800A (0.4-1.0In) ;		1000A (0.4-1.0In) ; 1250A (0.4-1.0In) ;		
Short circuit breaking capacity code:	M	H	M	H	
Number of poles:	3P, 4P		3P, 4P		
Rated working voltage Ue (V), AC:	AC400V		AC400V		
Rated insulation voltage Ui (V):	1000V		1000V		
Rated impulse withstand voltage Uimp (KV):	8kV		8kV		
Rated service short-circuit breaking capacity Ics (kA):	AC400V	50kA	65kA	50kA	65kA
Rated ultimate short-circuit breaking capacity Icu (kA):	AC400V	50kA	85kA	50kA	85kA
Rated short-term withstand current Icw (kA):	20kA/1s	20kA/1s	20kA/1s	20kA/1s	
Selective category:	Class B				

Overcurrent release type:

Electronic

STM6EY outline dimension (mm) Width (W)*Length(L)*Height (H))	Frame current	STM6EY-800		STM6EY-1250	
	Number of poles	3P	4P	3P	4P
	Width	210	280	210	280
	Length	275.5		275.5	
	Height	103		103	
	Height	152		152	

Note: The height from the bottom of the base to the (face cover/handle)

Accessory

Molded case circuit breaker:		STM6EY 250		STM6EY 400		STM6EY 630		STM6EY 800		STM6EY 1250	
Number of poles		3P	4P	3P	4P	3P	4P	3P	4P	3P	4P
STM6EY external accessories:	Electric operation	■	■	■	■	■	■	■	■	■	■
	Manual operation	■	■	■	■	■	■	■	■	■	■
	Extension copper bar	■	■	■	■	■	■	■	■	■	■
	Mechanical interlocking	■	■	■	■	■	■	■	■	—	—
	Plug-in front-panel split type	■	■	■	■	■	■	■	■	—	—
	Plug-in front-panel integrated type	■	■	■	■	■	■	■	■	—	—
	Plug-in front-panel fixed type	■	■	■	■	■	■	■	■	—	—
	Plug-in back-panel split type	■	■	■	■	■	■	■	■	—	—
	Plug-in back-panel integrated type	■	■	■	■	■	■	■	■	—	—
	Plug-in back-panel fixed type	■	■	■	■	■	■	■	■	—	—
Draw-out back-panel type	—	—	■	—	■	—	■	—	—	—	

Installation details of internal accessories for STM6EY series electronic LCD molded case circuit breaker

Internal accessory code and installation location	Model Accessory name Number of poles	STM6EY-250		STM6EY-400/630		STM6EY-800/1250	
		3P	4P	3P	4P	3P	4P
00	None	—	—	—	—	—	—
08	Alarm contact	□	□	□	□	□	□
10	Shunt release	●	●	●	●	●	●
18	Shunt release+alarm contact	—	● □	● □	● □	● □	● □
20	Single auxiliary contact	■	■	■	■	■	■
27	Dual auxiliary contacts	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■
28	Single auxiliary contact+alarm contact	■ □	■ □	■ □	■ □	■ □	■ □
29	Dual auxiliary contacts+alarm contact	—	■ ■ □	■ ■ □	■ ■ □	■ ■ □	■ ■ □
30	Undervoltage release	○	○	○	○	○	○
38	Undervoltage release+alarm contact	—	○ □	○ □	○ □	○ □	○ □
40	Shunt release+single auxiliary contact	—	● ■	● ■	● ■	● ■	● ■
41	Shunt release+dual auxiliary contacts	—	● ■ ■	● ■ ■	● ■ ■	● ■ ■	● ■ ■
48	Shunt release auxiliary alarm contact	—	● □ ■	● □ ■	● □ ■	● □ ■	● □ ■
50	Shunt release undervoltage release	—	—	—	● ○	—	● ○
60	Two sets of single auxiliary contacts	—	■ ■	■ ■	■ ■	■ ■	■ ■
61	Single auxiliary contact+dual auxiliary contacts	—	■ ■ ■	—	■ ■ ■	—	■ ■ ■
62	Two sets of dual auxiliary contacts	—	■ ■ ■ ■	—	■ ■ ■ ■	—	■ ■ ■ ■
68	Single auxiliary contact+auxiliary alarm contact	—	■ □ ■	■ □ ■	■ □ ■	■ □ ■	■ □ ■
69	Dual auxiliary contacts+auxiliary alarm contact	—	■ ■ □ ■	—	■ ■ □ ■	—	■ ■ □ ■
70	Undervoltage release+single auxiliary contact	—	○ ■	○ ■	○ ■	○ ■	○ ■
71	Undervoltage release+dual auxiliary contacts	—	○ ■ ■	—	○ ■ ■	—	○ ■ ■
78	Undervoltage release+auxiliary alarm contact	—	○ □ ■	—	○ □ ■	—	○ □ ■



Note 1:
Code 50: 125, 160 require customized left undervoltage release; 250 requires customized left shunt release, with optional range of shunt and undervoltage voltage: DC24V, DC110V, DC220V, AC230V, AC400V; conventional: AC230V.

STM6ELY

Supreme • Prospective

Electronic Leakage LCD molded case circuit breaker



- Dedicated for Southern Power Grid
- Residual current protection function
- It supports remote communication
- Green and eco-friendly

STM6ELY electronic leakage LCD molded case circuit breaker

STM6ELY series electronic leakage LCD molded case circuit breaker quick selection table

STM6ELY-	250	M	P1	/	4	3
Product code: STM6ELY series electronic leakage LCD molded case circuit breaker	Frame current optional code: 160, 250, 400, 630, 800	Short-circuit breaking capacity optional code: M: Moderate breaking type, H: High breaking type Note: Conventional: M type;	Optional operation code: No code: direct operation, P1: DC3 electric operation (market standard), P2: DC6 series electric operation (SHANGTU type), ZY1: Rotating handle (manual center type-circular handle)-(preferred for regular type), ZF1: Rotating handle (manual center type-square handle), ZY2: Rotating handle (manual eccentric-circular handle), ZF2: Rotating handle (manual eccentric-square handle), Z3: Rotating handle (manual operation integrated) (Only available for 250) Note: Electric operating voltage: DC24, DC110V, DC220V AC230V, AC400V; Conventional: AC230V.		Poles number code: 4: 4P	Release method optional code: 3: Electronic release

00	2	B	WD	P	Z	; In=250A
Internal accessory optional code: See "Installation details of internal accessories for STM6ELY series electronic leakage LCD molded case circuit breaker" Note: The standard factory default is lead type: wire length 500mm (other lengths need to be customized); terminal types can be custom-made; undervoltage accessories only have terminal types	Usage code: No code: For power distribution protection, 2: For motor protection Note: Magnetic protection: 14In no action, 20In action, 700A-800A no motor protection type	4P product optional code: A: The N pole is not equipped with overcurrent release, and the N pole is always connected, B: The N pole is not equipped with overcurrent release, and the N pole is open and closed together with the other three poles, C: The N pole is equipped with overcurrent release and the N pole is open and closed together with the other three poles, D: The N pole is equipped with overcurrent release, and the N pole is always connected	Additional function code: No code: normal product, WD: Temperature display function	Optional installation and wiring method code: No code: front-panel wiring (fixed type), P: Connection bar (extension copper bar), Z1: Back-panel wiring (fixed type), Z2Q: Plug-in front-panel wiring (split type), Z2H: plug-in back-panel wiring (split type), Z3Q: plug-in front-panel wiring (integrated type), Z3H: plug-in back-panel wiring (integrated type), DF: Draw-out front-panel wiring, DR: Draw-out back-panel wiring Note: 160 and 250 have no draw-out type;	Protective accessory code: No code: normal product, Z: Terminal cover Note: The terminal cover only available for three poles; 400, 630 are classified to narrow and long type, wide and long type, default to wide and long type;	Rated current: 160#: 40A-100A, 50A-125A, 63A-160A, 250#: 50A-125A, 100A-250A, 400#: 160A-400A, 630#: 250A-630A, 800#: 250A-630A, 320A-800A

STM6ELY electronic leakage LCD molded case circuit breaker

Supreme • Prospective

Main performance indicator

Molded case circuit breaker:	STM6ELY-160		STM6ELY-250		
Frame current In:	40A-100A、 50A-125A、 63A-160A		50A-125A、 100A-250A		
Short circuit breaking capacity code:	M	H	M	H	
Number of poles:	4P		4P		
Rated working voltage Ue (V) AC	AC400V		AC400V		
Rated insulation voltage Ui (V)	1000V		1000V		
Rated impulse withstand voltage Uimp (kV)	8kV		8kV		
Rated service short-circuit breaking capacity Ics (kA):	AC400V	25kA	50kA	25kA	50kA
Rated ultimate short-circuit breaking capacity Icu (kA):	AC400V	35kA	65kA	35kA	65kA
Rated short-term withstand current Icw (kA):	10kA/1s		10kA/1s		
Rated residual operating current IΔn (mA):	IΔn: 50mA, 100mA, 200mA, 300mA, 500mA, 800mA, 1000mA graded adjustment/AC type				
IΔm:	25%Icu		25%Icu		
Selective category:	Class B				
Overcurrent release type:	Electronic				
Residual current release type:	Electronic				

	Frame current	STM6ELY-160	STM6ELY-250
Number of poles		4P	4P
Width		120	140
Length		150	165
Height/face cover		82	88
Height/handle		108	116

Note: The height from the bottom of the base to the (face cover/handle)

STM6ELY electronic leakage LCD molded case circuit breaker

Main performance indicator

Molded case circuit breaker:	STM6ELY-400		STM6ELY-630		STM6ELY-800	
Frame current In:	160A~400A		252A~630A		630A(252A~630A); 800A(320A~800A);	
Short circuit breaking capacity code:	M	H	M	H	M	H
Number of poles:	4P		4P		4P	
Rated working voltage Ue (V) AC	AC400V		AC400V		AC400V	
Rated insulation voltage Ui (V)	1000V		1000V		1000V	
Rated impulse withstand voltage Uimp (kV)	8kV		8kV		8kV	
Rated service short-circuit breaking capacity Ics (kA):	AC400V	35kA	50kA	35kA	50kA	65kA
Rated ultimate short-circuit breaking capacity Icu (kA):	AC400V	50kA	70kA	50kA	70kA	85kA
Rated short-term withstand current Icw (kA):	10kA/1s		10kA/1s		20kA/1s	
Rated residual operating current IΔn (mA):	50mA, 100mA, 200mA, 300mA, 500mA, 800mA, 1000mA adjustable/AC type					
IΔm:	25%Icu		25%Icu		25%Icu	
Selective category:	Class B					
Overcurrent release type:	Electronic					
Residual current release type:	Electronic					

	Frame current	STM6ELY-400	STM6ELY-630	STM6ELY-800
Number of poles		4P	4P	4P
Width		184	184	280
Length		257	257	275.5
Height/face cover		103	103	103
Height/handle		152	152	152

Note: The height from the bottom of the base to the (face cover/handle)

Accessory

STM6ELY Size (mm) Width(W) Length(L)*Height (H)	Molded case circuit breaker:	STM6ELY-160	STM6ELY-250	STM6ELY-400	STM6ELY-630	STM6ELY-800
	Number of poles	4P	4P	4P	4P	4P
STM6E external accessories:	Electric operation	■	■	■	■	■
	Manual operation	■	■	■	■	■
	Extension copper bar	■	■	■	■	■
	Mechanical interlocking	■	■	■	■	■
	Plug-in front-panel split type	■	■	■	■	■
	Plug-in front-panel integrated type	■	■	■	■	■
	Plug-in front-panel fixed type	■	■	■	■	■
	Plug-in back-panel split type	■	■	■	■	■
	Plug-in back-panel integrated type	■	■	■	■	■
	Plug-in back-panel fixed type	■	■	■	■	■
	Draw-out back-panel type:	—	—	—	—	—

Installation details of internal accessories for STM6ELY series electronic leakage LCD molded case circuit

Internal accessory code and installation location	Model Number of poles Accessory name	STM6ELY-160	STM6ELY-250	STM6ELY-400/630	STM6ELY-800
		4P	4P	4P	4P
00	None	—	—	—	—
08	Alarm contact	□	□	□	□
10	Shunt release	●	●	●	●
18	Shunt release+alarm contact	● □	● □	□ ●	□ ●
20	Single auxiliary contact	■	■	■	■
27	Dual auxiliary contacts	▣	▣	▣	▣
28	Single auxiliary contact+alarm contact	■ □	■ □	□ ■	□ ■
29	Dual auxiliary contacts+alarm contact	▣ □	▣ □	□ ▣	□ ▣
30	Undervoltage release	○	○	○	○
38	Undervoltage release+alarm contact	○ □	○ □	□ ○	□ ○
40	Shunt release+single auxiliary contact	● ■	● ■	● ■	● ■
41	Shunt release+dual auxiliary contacts	● ▣	● ▣	▣ ●	▣ ●
48	Shunt release auxiliary alarm contact	● □	● □	□ ●	□ ●
50	Shunt release undervoltage release	—	—	● ○	● ○
60	Two sets of single auxiliary contacts	■ ■	■ ■	■ ■	■ ■
61	Single auxiliary contact+dual auxiliary contacts	■ ▣	■ ▣	▣ ■	▣ ■
62	Two sets of dual auxiliary contacts	▣ ▣	▣ ▣	▣ ▣	▣ ▣
68	Single auxiliary contact+auxiliary alarm contact	■ □	■ □	□ ■	□ ■
69	Dual auxiliary contacts+auxiliary alarm contact	▣ □	▣ □	□ ▣	□ ▣
70	Undervoltage release+single auxiliary contact	○ ■	○ ■	■ ○	■ ○
71	Undervoltage release+dual auxiliary contacts	○ ▣	○ ▣	▣ ○	▣ ○
78	Undervoltage release+auxiliary alarm contact	○ □	○ □	□ ○	□ ○



Note 1:
Code 50: 125, 160 require customized left undervoltage release; 250 requires customized left shunt release, with optional range of shunt and undervoltage voltage: DC24V, DC110V, DC220V, AC230V, AC400V; conventional: AC230V.

STM7

Supreme • Prospective

New energy high voltage circuit breaker



- Modular internal accessories for easy and fast replacement
- Rated working voltage: AC800V-AC1000V-AC1140V
- Suitable for high voltage locations such as mines, metallurgy, photovoltaics, wind energy, etc

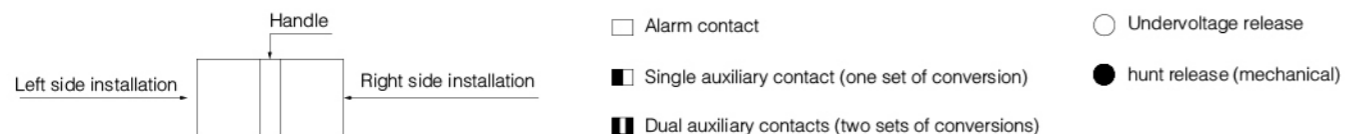
STM7 New energy high voltage circuit breaker

Main performance indicator

High voltage circuit breaker:	STM7-320		STM7-630			
Frame current In:	16A,20A,25A,32A,40A,50A,63A,75A,80A,100A,125A,140A,160A,180A,200A,225A,250A,320A		225A, 250A, 320A, 350A, 400A, 500A, 630A			
Number of poles	3P					
Rated working voltage Ue AC 50-60Hz	380/415V	690V	800V	1000V	1140V	
Rated insulation voltage Ui	1200V					
Rated impulse withstand voltage Uimp	12kV					
Power frequency withstand voltage (1 min)	3500V					
Rated ultimate short-circuit breaking capacity Icu (kA)	Breaking capacity level	AC380/415V	AC690	AC800V	AC1000V	AC1140V
	H	100	65	50	30	20
Rated service short-circuit breaking capacity Ics (kA)	M	/	60	50	20	12
	H	100	65	50	30	20
Rated service short-circuit breaking capacity Ics (kA)	M	/	60	50	20	12
Mechanical life (times)	15000					
Electrical life (times)	15000	3000	1000	1000	1000	
Arc distance (mm)	50					
Basic dimension W×L×H(mm)	120×200×103			158×325×177		
Instantaneous release	15In or 10In					
Reference ambient temperature	40°C					

Installation details of internal accessories for STM7 series new energy high voltage circuit breaker

Internal accessory code and installation location	Accessory name	Model	
		STM7-320	STM7-630
		3P	3P
00	None	—	—
08	Alarm contact		
10	Shunt release		
18	Shunt release+alarm contact		
20	Single auxiliary contact		
27	Dual auxiliary contacts		
28	Single auxiliary contact+alarm contact		
29	Dual auxiliary contacts+alarm contact		
30	Undervoltage release		
38	Undervoltage release+alarm contact		
40	Shunt release+single auxiliary contact		
41	Shunt release+dual auxiliary contacts		
48	Shunt release auxiliary alarm contact		
50	Shunt release undervoltage release		
60	Two sets of single auxiliary contacts		
61	Single auxiliary contact+dual auxiliary contacts		
62	Two sets of dual auxiliary contacts		
68	Single auxiliary contact+auxiliary alarm contact		
69	Dual auxiliary contacts+auxiliary alarm contact		
70	Undervoltage release+single auxiliary contact		
71	Undervoltage release+dual auxiliary contacts		
78	Undervoltage release+auxiliary alarm contact		



Note 1:
Code 50: 125, 160 require customized left undervoltage release; 250 requires customized left shunt release, with optional range of shunt and undervoltage voltage: DC24V, DC110V, DC220V, AC230V, AC400V; conventional: AC230V.

New energy high voltage circuit breaker



- Zero arc, +50°C
- It complies with UL 489 standard
- Single pole DC1500V Ics=10kA
- No capacity derating, no polarity, no capacity derating for reversing line

Main performance indicator

Model	STM7DC-320		STM7DC-400/630		STM6DC-1600			
	63, 80, 100, 125, 140, 160, 180, 200, 225, 250, 315, 320		225, 250, 320, 350, 400, 500, 630		800A, 1000A, 1250A, 1500A, 1600A			
Rated current	63, 80, 100, 125, 140, 160, 180, 200, 225, 250, 315, 320		225, 250, 320, 350, 400, 500, 630		800A, 1000A, 1250A, 1500A, 1600A			
Number of poles	2P		2P		3P		4P	
Rated working voltage Ue DC	1500		1500		1500			
Rated insulation voltage Ui (V)			1800		1800			
Rated impulse withstand voltage Uimp (V)			12		12			
Power frequency withstand voltage (1 min) (kV)			3500		3500			
Rated ultimate short-circuit breaking capacity Icu (V)	DC1200V	DC1500V	DC750V	DC1000V	DC750V	DC1000V	DC1200V	DC1500V
Rated service short-circuit breaking capacity Ics (kA)	35kA	20kA	85kA	50kA	50kA	30kA	15kA	10kA
Mechanical life (kA)					4000			
Electrical life (times)			10000		500			
Arc distance (times)	50, 0 (with arc extinguishing chamber)				100			
Basic dimension W×L×H(mm)	90×215×136		110×275×152		3P: 210×340×244 4P: 280×340×244			
Instantaneous release (mm)			5In or 10In					
Reference ambient temperature (°C)			50°C					

Installation details of internal accessories for STM7DC DC series molded case circuit breaker

Internal accessory code and installation location	Model Accessory name	STM7DC-320		STM7DC-400/630		STM7DC-1600	
		2P		2P		3P	4P
00	None	—		—		—	
08	Alarm contact						
10	Shunt release						
18	Shunt release+alarm contact	—					
20	Single auxiliary contact						
27	Dual auxiliary contacts						
28	Single auxiliary contact+alarm contact						
29	Dual auxiliary contacts+alarm contact	—					
30	Undervoltage release						
38	Undervoltage release+alarm contact	—					
40	Shunt release+single auxiliary contact	—					
48	Shunt release+auxiliary alarm contact	—					
62	Two sets of dual auxiliary contacts	—					
68	Single auxiliary contact+auxiliary alarm contact						
69	Dual auxiliary contacts+auxiliary alarm contact	—					
70	Undervoltage release+single auxiliary contact	—					



Note 1: Code 50: 125, 160 require customized left undervoltage release; 250 requires customized left shunt release, with optional range of shunt and undervoltage voltage: DC24V, DC110V, DC220V, AC230V, AC400V; conventional: AC230V.

STM6ZY-400MP

Supreme • Prospective

IoT circuit breaker



- Quick opening and closing
- Multiple communication interfaces
- Electrical measurement
- Four-section protection

IoT circuit breaker

Main performance indicator

Model	STM6ZY-250MP	STM6ZY-400MP	STM6ZY-630MP	STM6ZY-1000MP				
Rated frame current Inm (A)	250	400	630	1000				
Rated current In (A)	125(50-125A) 250(100-250A)	400(160-400A)	630(252-630A)	630(252-630A) 800(320-800A) 1000(400-1000A)				
Rated working voltage Ue (V)	AC400V							
Rated insulation voltage Ui (M)	1000							
Rated impulse withstand voltage Uimp (kV)	8							
Number of poles	3P	4P	3P	4P	3P	4P	3P	4P
Rated ultimate short-circuit breaking capacity Icu (kA)	AC400V		50		50		50	
Rated service short-circuit breaking capacity Ics (kA)	AC400V		35		35		50	
Selective category	B		B		B		B	
ICW	5kA/1s		10kA/1s		10kA/1s		15kA/1s	
Electrical life (times)	1000		1000		500		500	
Mechanical life	Maintenance free	7000	4000	2500	2500			
	With maintenance	10000	7000	3500	3500			
Operation quick response time	< 1s		< 1s		< 1s		< 1s	
Outline dimension (L mm*W mm*H mm)	220*105*135	220*140*135	285*140*165	285*140*165	285*140*165	285*184*165	300*210*165	300*280*165

STM6ZY-250M

Supreme • Prospective

IoT intelligent circuit breaker



- Complete specifications
- Communication function
- Data acquisition
- Modular design

IoT intelligent circuit breaker

Main performance indicator

Model	STM6ZY-250M	STM6ZY-400M	STM6ZY-630M	STM6ZY-1000M					
Rated frame current Inm (A)	250	400	630	1000					
Rated current In (A)	125(50-125A) 250(100-250A)	400(160-400A)	630(252-630A)	630(252-630A) 800(320-800A) 1000(400-1000A)					
Rated working voltage Ue (V)	AC400V								
Rated insulation voltage Ui (V)	1000								
Rated impulse withstand voltage Uimp (kV)	8								
Number of poles	3P	4P	3P	4P	3P	4P	3P	4P	
Rated ultimate short-circuit breaking capacity cu (kA)	AC400V	50	50	50	50	50	50	50	
Rated service short-circuit breaking capacity Ics (kA)	AC400V	35	35	35	35	35	35	50	
Selective category	B		B		B		B		
ICW	5kA/1s		10kA/1s		10kA/1s		15kA/1s		
Electrical life (times)	1000		1000		500		500		
Mechanical life	Maintenance free	7000		4000		2500		2500	
	With maintenance	10000		7000		3500		2500	
Outline dimension (L mm*W mm*H mm)	220*105*107	220*140*107	285*140*130	285*184*130	285*140*130	285*184*130	300*210*130	300*280*130	

STM6LE

Supreme • Prospective

Photovoltaic IoT reclosing molded case circuit breaker



- Anti-islanding function
- 485 remote communication
- Carrier communication function
- Photovoltaic reclosing function
- High precision metering function

Photovoltaic IoT reclosing molded case circuit breaker

STM6LE series photovoltaic IoT reclosing molded case circuit breaker quick selection table

STM6LE -	250	M	/	4	3
Product code:	Frame current optional code:	Short-circuit breaking capacity optional code:		Poles number code:	Release method optional code:
STM6LE series reclosing molded case circuit breaker	160 250 400 630 800 1250	C: Economic type S: Standard type M: Moderate breaking type H: High breaking type Note: C, S are short type reclosing M, H are tall type reclosing		4: 4P	3: Electronic release

0	B	JL	P	GW	, In=250A
Internal accessory optional code:	4P product optional code:	Additional function code:	Optional installation and wiring method code:	Communication protocol code:	Rated current :
21: Single auxiliary contact	A: The N pole is not equipped with overcurrent release, and the N pole is always connected	No code: normal product JL: Metering function WD: Temperature display function Z: Carrier function GF: Photovoltaic function FK: Cost control function (passive signal) FKV: Cost control function (level signal) GZ: Photovoltaic carrier function	No code: Front-panel wiring (fixed type) P: connecting bar (extension copper bar)	No code: Jiangsu protocol GW: State Grid protocol FJ: Fujian protocol SD: Shandong protocol MB1: Modbus protocol MB2: Modbus protocol (English cost control function)	160# : 125A : 50A -125A ; 160A : 63A -160A 250# : 125A : 50A -125A 250A : 100A -250A ; 400# : 400A : 160A -400A ; 630# : 630A : 250A -630A ; 800# : 630A : 250A -630A ; 800A : 320A -800A ; 1250# : 1000A : 400A-1000A 1250A : 500A-1250A
22: Two sets of auxiliary contacts	B: The N pole is not equipped with overcurrent release, and the N pole is open and closed together with the other three poles				
Note:	C: The N pole is equipped with overcurrent release and the N pole is open and closed together with the other three poles				
The standard factory default is lead type: wire length 500mm (other lengths need to be customized);	D: The N pole is equipped with overcurrent release, and the N pole is always connected				
	Note:			Note:	
	Conventional: A (3P+N):			Conventional production complies with Jiangsu protocol;	

STM6LE Photovoltaic IoT reclosing molded case circuit breaker

Supreme • Prospective

Main performance indicator

Molded case circuit breaker:	STM6LE-160				STM6LE-250			
Frame current In:	160A(64A-160A stepless adjustable) 100A (40A-100A stepless adjustable)				250A(100A-250A stepless adjustable) 125A (50A-125A stepless adjustable)			
Short circuit breaking capacity code:	C	S	M	H	C	S	M	H
Number of poles:	4P				4P			
Rated working voltage U _e (V), AC:	AC400V				AC400V			
Rated insulation voltage U _i (V):	1000V				1000V			
Limp impulse withstand voltage U _{imp} (KV):	8kV				8kV			
Rated service short-circuit breaking capacity I _{cs} (kA)	AC400V	35kA			35kA			
Rated ultimate short-circuit breaking capacity I _{cu} (kA)	AC400V	50kA			50kA			
Rated short-term withstand current I _{cw} (kA):	5kA/1s				8kA/1s			
Rated residual operating current I Δ n (mA):	50mA, 100mA, 200mA, 300mA, 400mA, 500mA, 800mA, 1000mA adjustable							
I Δ m:	25%I _{cu}				25%I _{cu}			
Rated residual operation type:	AC type				AC type			
Automatic reclosing time:	20s-60s; TD type				20s-60s; TD type			
Selective category:	Class B							
Overcurrent release type:	Electronic							
Leakage release type:	Electronic							
	Frame current	STM6LE-160			STM6LE-250			
	Number of poles	4P			4P			
STM6LE outline dimension (mm) Width(W)*Length(L)*Height (H)	Width	120			142			
	Length	180			240			
	Height	112			100			

STM6LE Photovoltaic IoT reclosing molded case circuit breaker

Main performance indicator

Molded case circuit breaker:	STM6LE-400				STM6LE-630				STM6LE-800		STM6LE-1250	
Frame current In:	400A(160A~400A stepless adjustable)				630A(252A-630A stepless adjustable)				800A (320A-800A stepless adjustable)		1000A (400A-1000A stepless adjustable) 1250A (500A-1250A stepless adjustable)	
Short circuit breaking capacity code:	C	S	M	H	C	S	M	H	M	H	M	H
Number of poles:	4P				4P				4P		4P	
Rated working voltage U _e (V), AC:	AC400V				AC400V				AC400V			
Rated insulation voltage U _i (V):	1000V				1000V				1000V			
Limp impulse withstand voltage U _{imp} (KV):	8kV				8kV				8kV			
Rated service short-circuit breaking capacity I _{cs} (kA)	AC400V	42kA			42kA			35kA				
Rated ultimate short-circuit breaking capacity I _{cu} (kA)	AC400V	65kA			65kA			50kA				
Rated short-term withstand current I _{cw} (kA):	8kA/1s				8kA/1s				8kA/1S			
Rated residual operating current I Δ n (mA):	50mA, 100mA,200mA ,300mA ,400mA ,500mA,800mA,1000mA adjustable											
I Δ m:	25%I _{cu}				25%I _{cu}				25%I _{cu}			
Rated residual operation type:	AC type				AC type				AC type			
Automatic reclosing time:	20s-60s; TD type											
Selective category:	Class B											
Overcurrent release type:	Electronic											
Leakage release type:	Electronic											
	Frame current	STM6LE-400			STM6LE-630			STM6LE-800		STM6LE-1250		
	Number of poles	4P			4P			4P		4P		
STM6LE outline dimension (mm) Width(W)*Length(L)*Height (H)	Width	198			198			280				
	Length	336			336			275.5				
	Height	157			157			169				

STM7LE

Supreme • Prospective

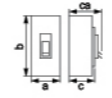
Residual current operated circuit breaker



- Cost control function
- Small volume
- Communication function
- Metering function

STM7LE residual current operated circuit breaker

Main performance indicator

Model	STM7LE-250	STM7LE-400/630	STM7LE-800	
Number of poles	4P (3P+N)			
Rated current (A)	50A~125A 100A~250A	160A~400A 252A~630A	252A~630A 320A~800A	
Rated voltage (V)	AC400V			
Rated insulation voltage (V)	AC1000V			
Short circuit breaking capacity (kA) Icu/Ics				
Number of operation cycles	ON	1000	1000	500
	OFF	7000	4000	2500
Outline dimension (mm) b-a-ca	4P (3P+N)	165*140*131	257*184*173	275.5*280*169
Automatic release device	Electronic type			

STM7E

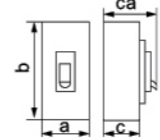
Three-phase unbalanced phase-change switch



- Remote control
- Early warning protection
- 100,000 times life
- Power metering statistics

STM7E three-phase unbalanced phase-change switch

Main performance indicator

Model and specification	STM7E-125	STM7E-160	STM7E-250
Number of poles	Four-phase to two-phase		
Rated current (A)	125A (50A-125A)	160A (63A-160A)	250A (100A-250A)
Rated voltage (V)	AC400V/220V		
Rated impulse withstand voltage Uimp (kV)	8kV		
Rated insulation voltage (V)	AC1000V		
Rated short-term withstand current Icw	3kA/0.3s		
Short circuit breaking capacity (kA) Icu/Ics	20kA/10kA		
Number of operation cycles	≥ 50,000 times		
Outline dimension (mm) b-a-ca			
Leakage action characteristic	AC type		
Automatic reclosing time (s)	20s~60s		
Phase-change action time	8~10ms		
Automatic release device	Electronic permanent magnet type		
Overcurrent characteristic	1.05In	Non trip within 2 hours	
	1.30In	Trip within 2 hours	

STM7E-250/ZB

Supreme • Prospective

Multifunctional phase-change switch



- Remote contro
- Early warning protection
- 100,000 times life
- Power metering statistics

Multifunctional phase-change switch

Main performance indicator

Model and specification	STM7E-125ZB	STM7E-160ZB	STM7E-250ZB
Number of poles	Four-phase to two-phase		
Rated current (A)	125A (50A-125A)	160A (63A-160A)	250A (100A-250A)
Rated voltage (V)	AC400V/220V		
Rated impulse withstand voltage Uimp (kV)	8kV		
Rated insulation voltage (V)	AC1000V		
Rated short-term withstand current Icw	3kA/0.3s		
Short circuit breaking capacity (kA) Icu/Ics	20kA/10kA		
Number of operation cycles	≥ 50,000 times		
Outline dimension (mm) b-a-ca			190*140*124
Leakage action characteristic	AC type		
Automatic reclosing time (s)	20s~60s		
Phase-change action time	8~10ms		
Automatic release device	Electronic permanent magnet type		
Overcurrent characteristic	1.05In	Non trip within 2 hours	
	1.30In	Trip within 2 hours	
Power metering function			
Supportive carrier function			
Remote control			

DC6

Supreme • Prospective

Electric operating mechanism



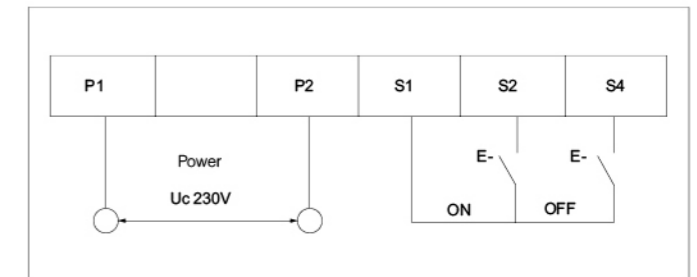
- Small volume
- Integration
- New design
- Complete specifications
- With 485 communication function

DC6 Electric operating mechanism

Electrical characteristic

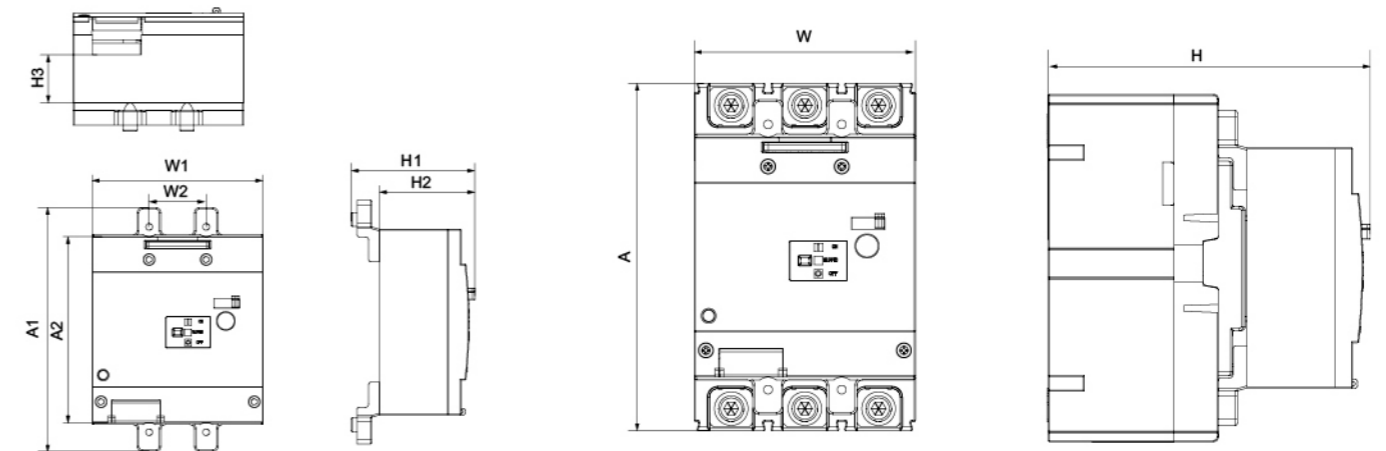
Model	125/160/250/400/630/800/1250/2000frame size
Structural form	Electromagnet type
Rated frequency	50/60Hz
Voltage specification	AC220V/DC220V, AC380V/DC380V, DC24V

Wiring diagram



Warning

1. When manually operated, it should be operated 180° clockwise, and counterclockwise operation is prohibited.
2. During the withstand voltage test: between the incoming terminals P1 and P2 of the power supply (excluding S1, S2, S4) and the mounting screws of the electric operation, it can withstand AC 50Hz, 2000V power frequency withstand voltage test (withstand voltage test is prohibited when the rated voltage is DC24V).
3. During wiring of electric operation, P1 and P2 are prohibited from being connected to S1, S2, and S4.
4. P1 and P2 are the operating power supply access terminals; S1 is the public terminal, S2 is for closing, and S4 is for opening. P1 and P2 are the operating power supply access terminals; S1 is the public terminal, S2 is for closing, and S4 is for opening.



Model/size (mm)	DC6-125	DC6-160	DC6-250	DC6-400	DC6-630	DC6-800	DC6-1250	DC6-2000
A	130	155	165	257	257	275.5	275.5	340
A1	122	144	149.6	212	212	264	264	/
A2	109.5	109.5	114	177	177	174	174	174
W	75	90	105	140	140	210	210	210
W1	90	90	105	140	140	210	210	210
W2	25	30	35	44	44	70	70	70
H	140	151	153.5	170.5	170.5	190.5	190.5	225
H1	78.5	76	72	74	74	93	93	/
H2	62	62	59	61	61	78	78	78
H3	34.2	34.2	29.5	32.5	32.5	45	45	45

STM6EY-250MP3/JLY

Supreme • Prospective

Intelligent four-remote circuit breaker



- Small volume
- New design
- Complete specifications
- Measurement function

Intelligent four-remote circuit breaker

Main performance indicator

Model and specification	STM6EY-250MP3/JLY	STM6EY-630MP3/JLY
Rated current In	125A (50-125A) 250A (100-250A)	400A (160-400A) 630A (252-630A)
Rated working voltage Ue	AC400V	
Rated insulation voltage Ui	AC1000V	
Rated impulse withstand voltage Uimp	8kV	
Rated short-term withstand current Icw	10kA/1S	
Rated ultimate short-circuit breaking capacity Icu	50KA	
Rated service short-circuit breaking capacity Ics	35KA	50KA
Operation quick response time	≤ 1s	

ECB

Supreme • Prospective

Cost control molded case circuit breaker



- Dedicated to Saudi Arabia
- With cost control function
- With terminal post function
- With lock and protective cover

ECB cost control molded case circuit breaker

Main performance indicator

Model	ECB-160	ECB-250	ECB-400/630	ECB-800	ECB-1250	ECB-1600	
Rated frame current Inm (A)	160	250	400	800	1250	1600	
Rated current In (A)	16A-160A	100A-250A	250A-400A 400A-630A	500A-800A	1000A-1250A	1250A-1600A	
Rated working voltage Ue (V)	AC400V/AC230V						
Rated insulation voltage Ui (VI)	1000						
Rated impulse withstand voltage Uimp (kV)	8						
Number of poles	3	3	3	3	3	3	
Rated ultimate short-circuit breaking capacity Icu (kA)	AC230V	25	25	25	65	65	75
	AC400V	20	20	20	40	40	100
Rated service short-circuit breaking capacity Ics (kA)	AC230V	25	25	25	65	65	65
	AC400V	20	20	20	40	40	85
Utilization category	B	B	B	B	B	B	
Electrical life (times)	1000	1000	1000	500	500	500	
Mechanical life	Maintenance free	7000	7000	4000	2500	2500	2500
	With maintenance	10000	10000	7000	5000	3500	3500
ECB outline dimension (mm) Width(W)*Length (L)*Height (H)	Number of poles	3P	3P	3P	3P	3P	3P
	Width	155	208	337	418	418	210
	Length	90	105	168	238	238	340
	Height	117	115	155	168	168	229