



Adjustable MCCB

PRODUCT CATALOGUE

Selection Sheet

TAX

Model

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Frame Current

125MJ
250MJ
400MJ
630MJ
800MJ

□

Poles

3=3P

□ □ □

Rated Current

016=16A 180=180A
020=20A 200=200A
025=25A 225=225A
032=32A 250=250A
040=40A 315=315A
050=50A 350=350A
063=63A 400=400A
080=80A 500=500A
100=100A 630=630A
125=125A 700=700A
140=140A 800=800A
160=160A

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Accessories

3080=L
3101=S(AC230V)
3102=S(AC400V)
3105=S(DC24V)
3106=S(DC110V)
3107=S(DC220V)
3301=U(AC230V)
3302=U(AC400V)
3200=X
3181=L+S(AC230V)
3182=L+S(AC400V)
3185=L+S(DC24V)
3186=L+S(DC110V)
3187=L+S(DC220V)
3401=S(AC230V)+X
3402=S(AC400V)+X
3405=S(DC24V)+X
3406=S(DC110V)+X
3407=S(DC220V)+X

BO

Model

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Frame Current

125SJ
250SJ

□

Poles

3=3P

□ □ □

Rated Current

016=16A
020=20A
025=25A
032=32A
040=40A
050=50A
063=63A
080=80A
100=100A
125=125A
160=160A
200=200A
250=250A

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Accessories

3080=L
3101=S(AC230V)
3102=S(AC400V)
3105=S(DC24V)
3106=S(DC110V)
3107=S(DC220V)
3301=U(AC230V)
3302=U(AC400V)
3200=X
3181=L+S(AC230V)
3182=L+S(AC400V)
3185=L+S(DC24V)
3186=L+S(DC110V)
3187=L+S(DC220V)
3280=L+X
3381=L+U(AC230V)
3382=L+U(AC400V)
3401=S(AC230V)+X
3402=S(AC400V)+X
3405=S(DC24V)+X
3406=S(DC110V)+X
3407=S(DC220V)+X
3701=U(AC230V)+X
3702=U(AC400V)+X
3481=A+S(AC230V)
3482=A+S(AC400V)
3485=A+S(DC24V)
3486=A+S(DC110V)
3487=A+S(DC220V)
3780=U(AC230V)+A
3781=U(AC400V)+A
3800=A

NOTE: In the accessory section, X denotes AUX, L denotes ALT, U denotes UVT, S denotes SHT, and A denotes AUX+ALT.

TAX Series Adjustable MCCB

Parameters



Technical Parameters

Frame Capacity		125	250	400	630	800
Model		TAX-125MJ	TAX-250MJ	TAX-400MJ	TAX-630MJ	TAX-800MJ
Poles		3	3	3	3	3
Rated Current (A)		16,20,25,32,40,50,63,80,100,125	140,160,180,200,225,250	315,350,400	400,500,630	630,700,800
Reference Ambient Temperature (°C)		40	40	40	40	40
Rated Impulse Withstand Voltage Uimp (kV)		8	8	8	8	8
Rated Insulation Voltage Ui(VAC)		800	800	800	800	800
Rated Operational Voltage Ue(VAC)		400/690	400/690	400/690	400/690	400/690
Rated Ultimate Short Circuit Breaking Capacity Icu(kA)	AC690V	15	15	25	25	25
	AC400V	35	35	50	65	65
Rated Service Short Circuit Breaking Capacity Ics(kA)	AC690V	10	10	20	20	20
	AC400V	25	25	35	42	42
Overload Tripping Mode		Thermal-Magnetic	Thermal-Magnetic	Thermal-Magnetic	Thermal-Magnetic	Thermal-Magnetic
Thermal Trip Adjustment Range		0.8In&1.0In	0.8In&1.0In	0.8In&1.0In	0.8In&1.0In	0.8In&1.0In
Service Life	Mechanical	10000	10000	6000	6000	6000
	Electrical	5000	5000	2500	2500	2500
Wiring Mode	Front Panel Wiring	Crimp Terminal	Crimp Terminal	Crimp Terminal	Crimp Terminal	Crimp Terminal

Thermal Trip Panel Diagram



Thermal-Magnetic Release Current Setting Multiples Table

Frame Current(A)	Rated Current I_n (A)	Long-Time Overload Rated Current I_r (adjustable)	Short-Circuit Instantaneous Rated Current I_i
125	16,20,25,32,40,50,63,80,100,125	$0.8I_n, 1.0I_n$	$10I_n \pm 20\%$
250	140,160,180,200,225,250	$0.8I_n, 1.0I_n$	$10I_n \pm 20\%$
400	315,350,400	$0.8I_n, 1.0I_n$	$10I_n \pm 20\%$
630	400,500,630	$0.8I_n, 1.0I_n$	$10I_n \pm 20\%$
800	630,700,800	$0.8I_n, 1.0I_n$	$10I_n \pm 20\%$

At 40°C, the inverse – time operating characteristic

	Setting Current Multiple	Conventional Time		Initial State
		$I_n \leq 63A$	$I_n > 63A$	
Conventional Non-Tripping Current	$1.05I_r$	$\geq 1h$	$\geq 2h$	Cold State
Conventional Tripping Current	$1.3I_r$	$< 1h$	$< 2h$	Hot State

TAX Series Adjustable MCCB

Accessories



Internal Accessories



Auxiliary Contact

To provide distinct signals for the circuit breaker's "closed" and "open" positions.	AC125V 5A, AC250V 3A DC125V 0.4A, DC250V 0.2A
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Alarm Contact

To provide distinct signals for the circuit breaker's "normal operation" and "fault free trip" positions.	AC125V 5A, AC250V 3A DC125V 0.4A, DC250V 0.2A
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Undervoltage Release

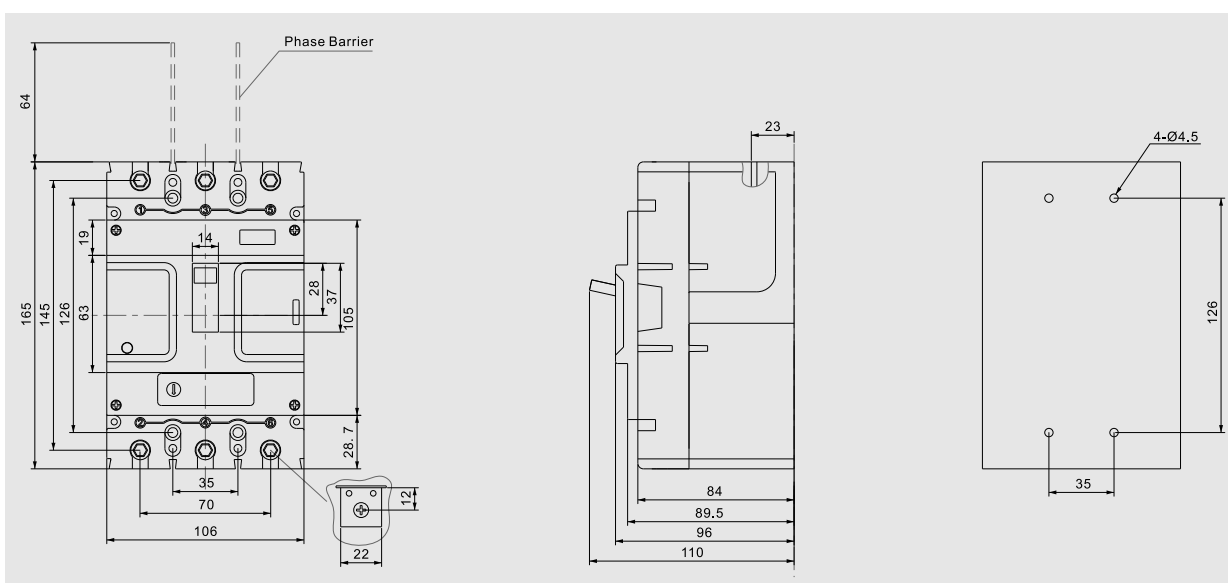
A. When the supply voltage drops to within the range of 70% and 35% of the rated voltage, the undervoltage release should operate.	Us
B. When the supply voltage is lower than 35% of the rated voltage, the undervoltage release shall not be able to be energized, so as to prevent the circuit breaker from closing.	AC230V, AC400V
C. When the supply voltage is equal to or greater than 85% of the rated voltage, the undervoltage release should ensure energization and guarantee the reliable closing of the circuit breaker.	



Shunt Release

The shunt release can operate reliably between 70% and 110% of the rated voltage value.	Us
	AC230V, AC400V DC24V, DC110V, DC220V

TAX-125MJ



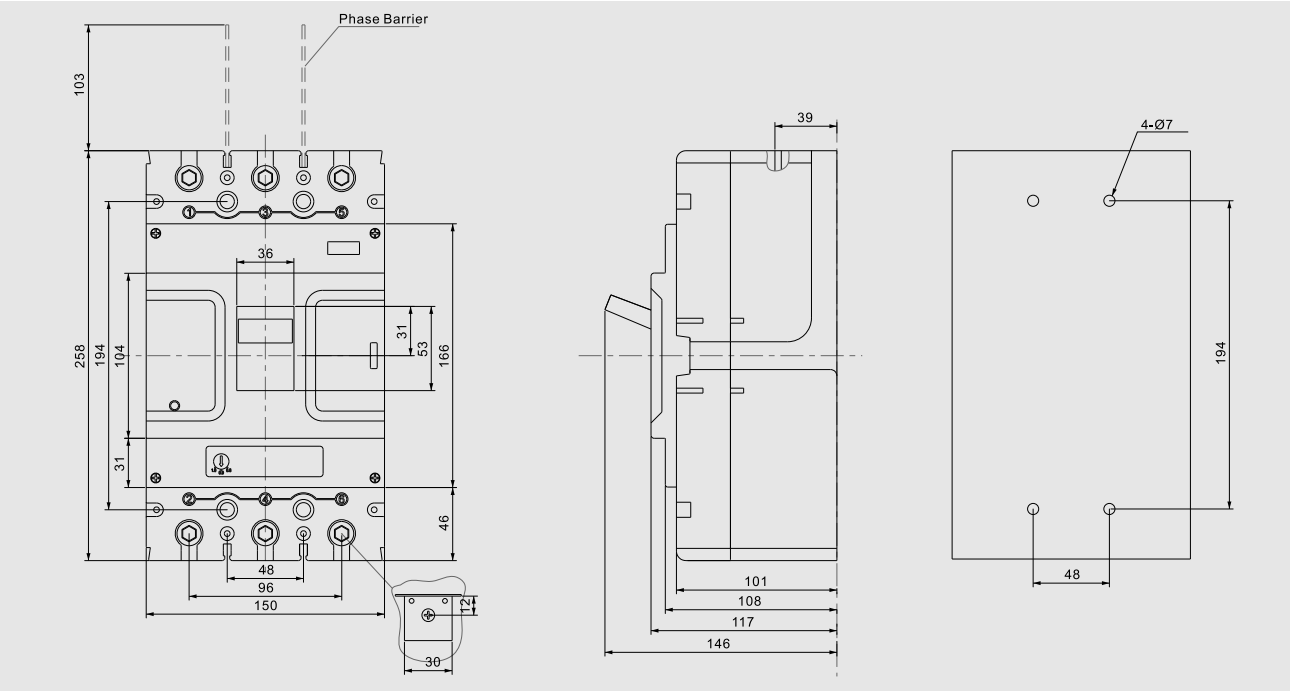
TAX Series Adjustable MCCB

Dimensions

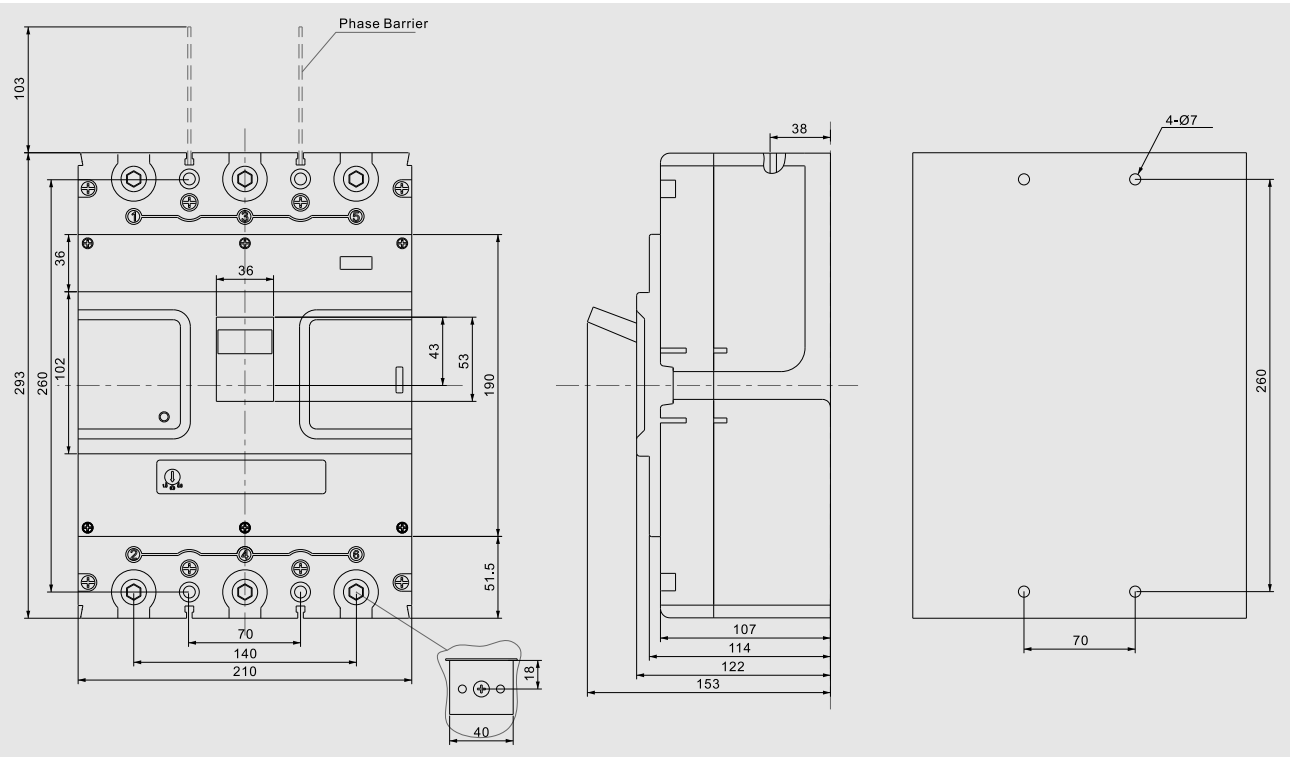


Front Panel Wiring Installation Dimensions

■ TAX-400MJ, TAX-630MJ



■ TAX-800MJ





Technical Parameters

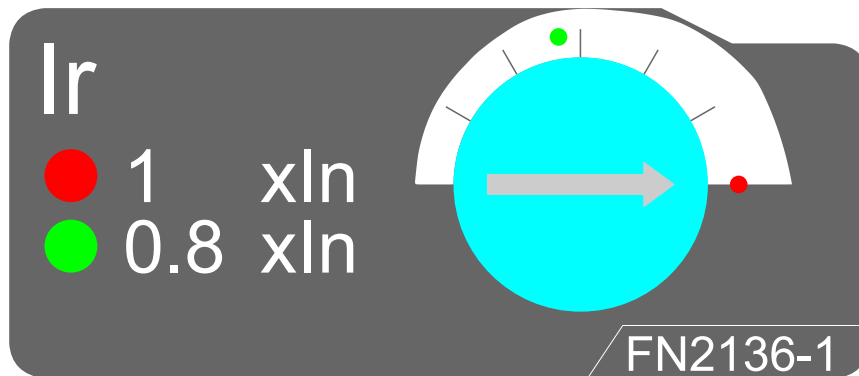
Frame Capacity		125	250
Model		BO-125SJ	BO-250SJ
Poles		3	3
Rated Current (A)		16,20,25,32,40,50, 63,80,100,125	160,200,250
Reference Ambient Temperature (°C)		40	40
Rated Impulse Withstand Voltage Uimp (kV)		8	8
Rated Insulation Voltage Ui(VAC)		690	690
Rated Operational Voltage Ue(VAC)		400/230	400/230
Rated Ultimate Short Circuit Breaking Capacity Icu(kA)	AC400V	35	35
	AC230V	50	50
Rated Service Short Circuit Breaking Capacity Ics(kA)	AC400V	25	25
	AC230V	35	35
Overload Tripping Mode		Thermal-Magnetic	Thermal-Magnetic
Thermal Trip Adjustment Range		0.8In&1.0In	0.8In&1.0In
Service Life	Mechanical	10000	10000
	Electrical	8000	6000
Wiring Mode	Front Panel Wiring	Crimp Terminal	Crimp Terminal

BO Series Adjustable MCCB

Parameters



Thermal Trip Panel Diagram



Thermal–Magnetic Release Current Setting Multiples Table

Frame Current(A)	Rated Current I_n (A)	Long–Time Overload Rated Current I_r (adjustable)	Short–Circuit Instantaneous Rated Current I_i
125	16,20,25,32,40,50,63,80,100,125	$0.8I_n, 1.0I_n$	$13I_n \pm 20\%$
250	160,200,250	$0.8I_n, 1.0I_n$	$13I_n \pm 20\%$

At 40°C, the inverse – time operating characteristic

	Setting Current Multiple	Conventional Time		Initial State
		$I_n \leq 63A$	$I_n > 63A$	
Conventional Non–Tripping Current	$1.05I_r$	$\geq 1h$	$\geq 2h$	Cold State
Conventional Tripping Current	$1.3I_r$	$< 1h$	$< 2h$	Hot State

Internal Accessories



Auxiliary Contact

To provide distinct signals for the circuit breaker's "closed" and "open" positions.

AC230/400V 0.3~0.4A
DC110V/220V 0.14~0.15A

Alarm Contact

To provide distinct signals for the circuit breaker's "normal operation" and "fault free trip" positions.

AC230/400V 0.3~0.4A
DC110V/220V 0.14~0.15A

Auxiliary Alarm Contact

To provide distinct signals for the circuit breaker's "closed", "open", and "fault free trip" positions.

AC230/400V 0.3~0.4A
DC110V/220V 0.14~0.15A



Undervoltage Release

- A. When the supply voltage drops to within the range of 70% and 35% of the rated voltage, the undervoltage release should operate.
- B. When the supply voltage is lower than 35% of the rated voltage, the undervoltage release shall not be able to be energized, so as to prevent the circuit breaker from closing.
- C. When the supply voltage is equal to or greater than 85% of the rated voltage, the undervoltage release should ensure energization and guarantee the reliable closing of the circuit breaker.

Us

AC230V, AC400V



Shunt Release

The shunt release can operate reliably between 70% and 110% of the rated voltage value.

Us

AC230V, AC400V,
DC24V, DC110V, DC220V

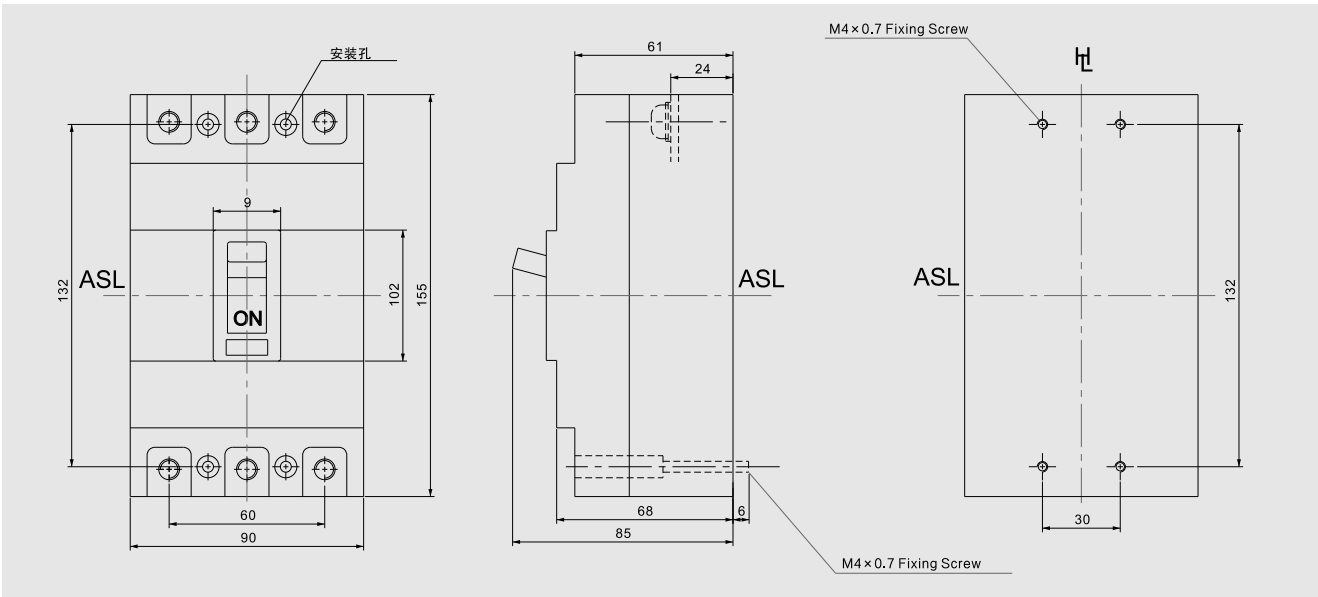
BO Series Adjustable MCCB

Dimensions

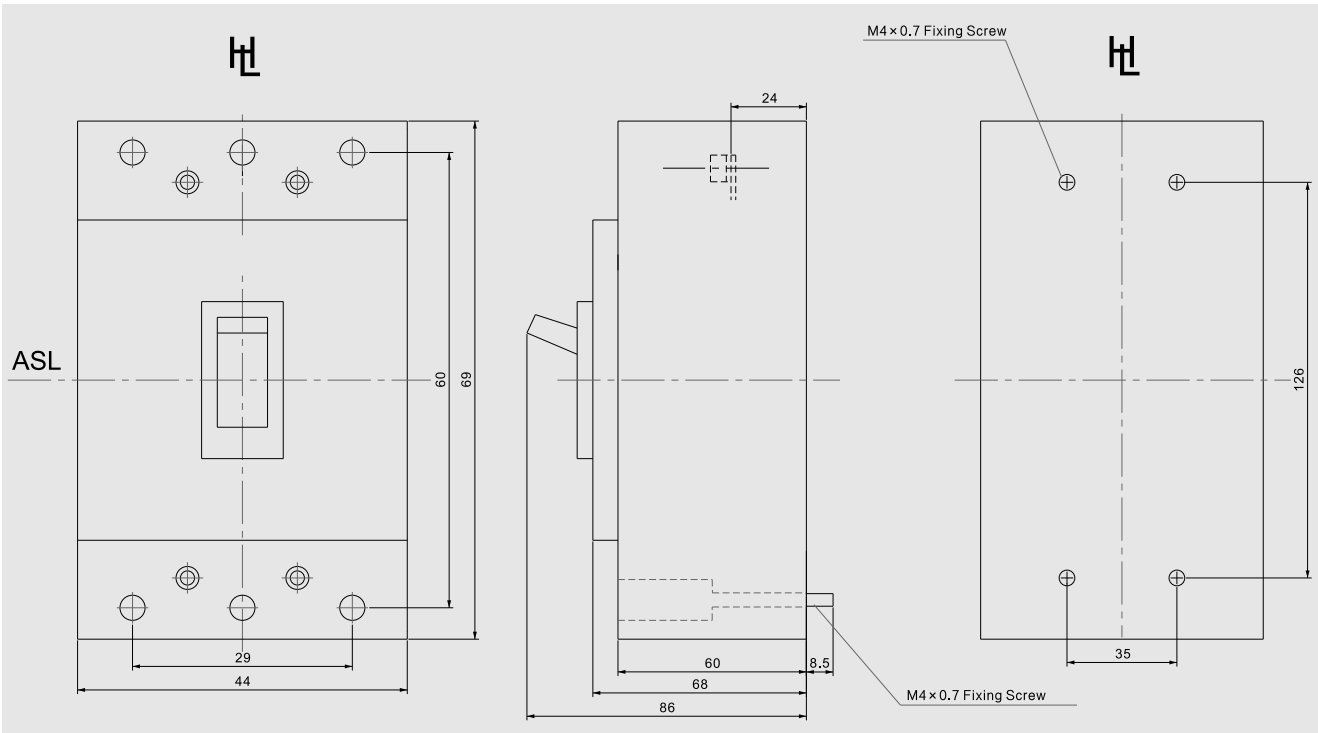


Front Panel Wiring Installation Dimensions

BO-125SJ



BO-250SJ



Standards, specifications, and designs may change. Thus, the information in this material is subject to alteration at any time. It may not cover all usage scenarios or specific customer needs. We reserve the right to modify standards, illustrations, and technical parameters. Updates may occur without prior notice.



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