

**DIN Series** 

Celer C

MINIATURE CIRCUIT BREAKERS, <u>RESIDUAL CURRENT CIRCUIT BREAKERS & ISOLATING SWITCHES</u>

Empowering Industries







CÔNG TY TNHH THƯƠNG MẠI KỸ THUẬT ĐIỆN CITY

Nhà phân phối thiết bị điện công nghiệp hàng đầu Việt Nam

















## LIÊN HỆ VỚI CHÚNG TÔI

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# Introducing the DIN Series...

High-quality, high-performance circuit breakers suitable for household electrical distribution panels



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### Features

- (1) All models fully comply with IEC regulations
- (2) Units can be mounted on a standard 35mm IEC rail
- (3) Residual current circuit breakers use an original Mitsubishi Electric IC securing reliable earth-leakage protection
- (4) High current-limiting performance
- (5) Compliance with IP2X protection rating
- (6) All models are compatible with reverse connection
- (7) DC circuit-compatible model (BH-D10) added to product line-up

Model type		No of poles (P)	Rating	Instantaneous tripping	Voltage (V)	Short-Circuit capacity (kA)	Compliance standard
мсв -		1, 2, 3, 4(3+N)	0.5~63A	TYPE B, C, D	230/400AC	c	IEC60898-1
	вп-ро	1+N	0.5~40A	TYPE B, C	230AC	6	
	BH-D10	1, 2, 3, 4(3+N)	0.5~63A	TYPE B, C, D	230/400AC	10	IEC60898-1
	BH-D10 (For DC)	1	0 50.624	TYPE B, C	125DC	10	IEC60898-2
		2	0.5~63A		250DC		
	BH-DN	1+N	6~20A	TYPE C	230AC	4.5	IEC60898-1
RCCB	BV-D	2(1+N), 4(3+N)	25, 40, 63A	-	230/400AC	-	IEC61008
RCBO	BV-DN	1+N	6~40A	TYPE C	230AC	4.5	IEC61009
Isolating Switch	KB-D	1, 2, 3, 4(3+N)	32, 63, 80A	-	230/400AC	-	IEC60947-3

#### **Product Line-up**

## Explanation of Markings (Example Model Type : BH-D6)



## **Technical Specifications**

Ambient temperature range	−10 ~ +40°C		
Frequency	50/60Hz		



## Points to Note

#### Installation

Standard IEC35mm rail installation is possible. Fix by attaching a slip stopper.

Fig-1



### Connection

At the time of wire connection, fasten the terminal screws with the torque stated in the table below.

#### **Fastening torque**

Screw diameter	Fastening torque (N⋅m)	Model type
M5	1.7~2.5	BH-D6, BH-D10, BV-D, KB-D SHTA400-05DLS, SHTD048-05DLS
M4	1.0~1.5	BH-DN, BV-DN
M3.5	0.8~1.0	AL-05DLS, AX-05DLS, ALAX-05DLS AX2-05DLS

(4) The handle will move to the Off position.

## **3** Opening, Closing and Tripping Operations

Move the handle up/down to turn power On/Off. Tripping operation refers to automatic opening (breaking) of circuits.

### Earth-leakage Test

#### Earth-leakage test steps:

(1) Move the handle to the On position under rated voltage.

- (2) Push the yellow test button.
- (5) The earth-leakage indication changes from white to red. (3) At this time, the RCCB or RCBO must be tripped within the specified time.

### Withstand Voltage Test

- (1) Withstand voltage test: The voltage applied to the main circuit during the withstand voltage test is 2,000VAC (effective for 1min). Do not conduct a withstand voltage tests using voltages exceeding 2,000VAC.
- (2) Measurement of insulation resistance and withstand voltage test
- Please note the following restrictions (① and ② below) that apply when using earth-leakage circuit breakers.
- ① Measuring insulation resistance:
  - Do not use a 1000V insulation resistance tester. Please use a 500V insulation resistance tester.
  - The "
    A" marks in the table are based on minimum insulation resistance values.
- (2) Testing withstand voltage: The "X" marks in the table below indicate that the test voltage is not to be applied to that model. (If a test voltage is accidently applied to one of these models, do not reuse the product regardless of whether or not they were tripped.)

Measuring	position		Test	Insulation measu	resistance rement	Withstand voltage test	
Handle po	sition			ON	OFF	ON	OFF
Between n	nain circuit live p	art and gro	und	0	0	0	0
		BV-D 2P	BV-DN		0	×	0
Potwoon	On line side		Between right pole (terminal symbol 6) and N pole		0	×	0
different			Between poles other than above	0	0	0	0
noles		BV-D 2P	BV-DN			×	×
poies	On load side		Between right pole (terminal symbol 6) and N pole			×	×
			Between poles other than above	0	0	0	0
Between te	erminals on line	side and lo	ad side	—	0	—	0

## Installation of Accessories (AX, AL, SHT)

#### (1) Installation







## Specifications

				МСВ									
Туре						BH-D6				BH-D10			BH-DN
Image													
No. of pol	es [P]			1	2	3	4(3+N)*1	2(1+N)*1	1	2	3	4(3+N)*1	2 (1+N)*1
Instantane	eous trippin	g			Туре В	, C, D*2		Type B, C*2		Туре В	, C, D*2		Type C*2
Rated insi	ulation volta	age Ui [\	/]			440				44	40		230
Rated current $I_n$ [A] at ambient temperature 30°C				0.5, 1 16,	, 1.6, 2, 3 20, 25, 3	3, 4, 6, 1 2, 40, 50	0, 13, ), 63	0.5, 1, 1.6, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40	0.5 10	0.5, 1, 1.6, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40, 50, 63			6, 10, 16, 20
Rated	IEC60898-1	AC	230V	6		-		6	10		-		4.5
circuit	GB10963.1		230/400V	6		-		-	10		-		-
[kA]	(ICN)		400V	-		6		-	-		10		-
Number o	f	Without	current		8,000				10,000				20,000
operating	cycles	With cu	rrent	8,000					10,	000		20,000	
Dimensior	າຣ ອີ	ca	а	18	36	54	72	36	18	36	54	72	18
[]			b			87				8	7		88
	E b		с		44			44				44	
			ca		70			70				70	
Type of ov	vercurrent r	elease		Thermal-magnetic					Thermal-magnetic				Thermal-magnetic
Mounting					IE	C35mm	rail		IEC35mm rail				IEC35mm rail
Applicable	e wire size				1	to 25mm	n²		1 to 25mm <sup>2</sup>			1 to 10mm <sup>2</sup>	
Weight [k	g]			0.15	0.3	0.45	0.55	0.25	0.15	0.3	0.45	0.55	0.12
	Alarm swit	tch (AL)				0				C	2		-
Accessories (optional)	Auxiliary s	witch (A	X)			0				(	)		-
()	Shunt trip	(SHT)				0				(	)		-
Terminal o	connection				S	Solderles	S		Solderless				Solderless
Based on	standard				IE	C60898	-1			IEC60	898-1		IEC60898-1
CE markir	ng			E	N60898-	1:Self-o	declaratio	on	EN	60898-1 : S	elf-declar	ation	EN60898-1 : Self-declaration
CCC					G	B10963	.1		GB10963.1				GB10963.1

\*1: N pole is a switched neutral pole (without overcurrent release device). \*2: Type B: (3 ln <,  $\leq$  5 ln), Type C: (5 ln <,  $\leq$  10 ln), Type D: (10 ln <,  $\leq$  20 ln)

				For DC		
	Туре			BH-D10		
	Image	e				
No. of pole	es [P]			1	2	
Instantane	ous trippin	g		Туре	B, C <sup>*3</sup>	
Rated insu	lation volta	ige Ui [V	[]	2!	50	
Rated curr at ambien	ent In [A] t temperati	ure 30°C		0.5, 1, 1.6, 2, 16, 20, 25, 3	3, 4, 6, 10, 13, 2, 40, 50, 63	
Rated short-	IEC60898-2	DC	125V	10	-	
capacity [kA]	(lcn)		250V	-	10	
Number of	f	Without current		8,000		
operating of	cycles	With current		4,000		
Dimension	s	са	а	18	36	
F			b	8	7	
			С	4	4	
L		1	ca	7	0	
Type of ov	ercurrent r	elease		Thermal-magnetic		
Mounting				IEC35mm rail		
Applicable	wire size			1 to 2	5mm²	
Weight [kg	9]			0.15	0.3	
	Alarm swit	ch (AL)		(	)	
Accessories (optional)	Auxiliary s	witch (A)	X)	(	)	
(optional)	Shunt trip	(SHT)		0		
Terminal c	onnection			Solderless		
Based on a	standard			IEC60898-2		
CE markin	g			EN60898-2 : S	Self-declaration	
CCC				GB10	963.2	

. 8 BH-D6 C20 \*\*\*

\*3: Type B: (5 ln <,  $\leq$  7 ln), Type C: (7 ln <,  $\leq$  15 ln)

## Specifications

			RC	СВ	
Тур	е		BV	′-D	
Image					
No. of poles [P]			2(1+N)*1	4(3+N)*1 *3	No. of poles [F
Rated current [A] at ambient temperate	ure 30°C		25, 4	0, 63	Rated current [ at ambient tem
Rated voltage [VAC]			230	230/400	Rated voltage [
Rated current sensit	ivity l∆n [	mA]	30,	300	Rated current s
Max. operating time	at 5l∆n [s	5]	0.0	04	Max. operating
Pulsating current ser	nsitivity		Туре	AC	Pulsating curre
Rated conditional short	t-circuit cui	rrent [kA]	E	3	Breaking capaci
Dimensions		а	36	72	Tripping charac
		b	8	5	Dimensions
L b		с	4	4	
		ca	70		н
Mass [kg]			0.2	0.35	
Rated making and breal	king capaci	ty Im [A]	500(In 25,40A), 630(In63A)		Mass [kg]
Rated conditional short-c	ircuit curren	it Inc [kA]	6	3	Automatic tripp
Rated residual making and b	reaking capa	city I∆m [A]	500(In 25,40A), 630(In63A)		
Rated conditional residual sho	ort-circuit curr	ent I∆c [kA]	6		
Number of	Vithout cu	urrent	8,000		Number of operating cycle
operating cycles	With current		8,0		
Type of overcurrent	release		-	-	Type of overcu
Mounting			IEC35r	mm rail	Mounting
Applicable wire size			1 to 2	5mm <sup>2</sup>	Applicable wire
Weight [kg]			0.2	0.35	Weight [kg]
Terminal connection			Solderless		Terminal conne
Based on standard			IEC61	008-1	Based on stand
CE marking			EN61008-1 : S	elf-declaration	CE marking
000			GB16	222	

			RCBO		
Ту	ре		BV-DN		
lma	age				
No. of poles [P]			2(1+N)*1		
Rated current [A] at ambient tempera	ature 30°C		6, 10, 16, 20, 25, 32, 40		
Rated voltage [VAC	2]		230		
Rated current sens	itivity l∆n [ı	mA]	30, 100, 300		
Max. operating time	e at 5l∆n [s	]	0.04		
Pulsating current s	ensitivity		Type AC		
Breaking capacity [k	A] sym. (IE0	C 61009)	4.5		
Tripping characteris	stics		Type C*2		
Dimensions	ca	а	36		
		b	88		
<sup>t</sup>		с	44		
	1	ca	70		
Mass [kg]			0.19		
Automatic tripping	device		Thermal, magnetic		
	Without cu	irrent	20,000		
Number of operating cycles	With curre	nt	20,000 (In 6,10,16,20A) 15,000 (In 25A) 10,000 (In 32,40A)		
Type of overcurren	t release		Thermal-magnetic		
Mounting			IEC35mm rail		
Applicable wire size	Э		1 to 16mm <sup>2</sup>		
Weight [kg]			0.19		
Terminal connectio	n		Solderless		
Based on standard			IEC61009-1		
CE marking			EN61009-1 : Self-declaration		
CCC			GB16917		

CCC			GB16916	CCC		GB16917		
*1: N pole is a swite *2: Type C: (5 In <, *3: For use to three	ched neutr ≦ 10 In) e phase 4-v	al pole (v wire type	without overcurrent release devic . When using, it be sure to conne	e). Incomposite the neutral wire to the neutral	phase. Not available for use to	three phase 3-wire type.		
				Isolating	l switch			
Тур	ре			KB	-D			
Image								
No. of poles [P]			1	2	3	4(3+N)		
Utilization category				AC22A	class			
Rated current [A] at ambient tempera	ture 30°C			32,	63			
Rated voltage [VAC]			230	400				
Short time withstand current [A]			20 × In, 1s					
Short-circuit making	g capacity	[A]	20 × In					
Dimensions	ca	а	18	36	54	72		
		b	87					
b land		С		44				
		ca	70					
Mass [kg]			0.09	0.18	0.27	0.36		
Optional accessories	Insulating	barrier		1 pc.	2 pcs.	3 pcs.		
Number of	Without cu	irrent	20,000					
operating cycles	With curre	nt	3,000					
Mounting			IEC35mm rail					
Applicable wire size				1 to 2	5mm²			
Weight [kg]			0.1	0.2	0.3	0.4		
Terminal connection	n			Solde	rless			
Based on standard				IEC60	947-3			
CE marking				EN60947-3 : S	elf-declaration			
CCC			GB14048.3					

## Accessories

#### **Functions of Accessories**

Internal accessory	Function
AL Alarm switch	Electrically indicates the trip status of the circuit breaker.
<b>AX</b> Auxiliary switch	Electrically indicates the On/Off status of the circuit breaker.
SHT Shunt trip	Electrically trips the circuit breaker from a remote location. Permissible working voltages are 70 to 110% of the AC rated voltage or 70 to 125% of the DC rated voltage.

#### **Equipping of Accessories**

Accessory Model name	BH-D6	BH-D10	BH-DN, BV-DN, KB-D, BV-D
AL	0	0	
AX	0	0	_
SHT	0	0	

O: Accessory equipped

-: Accessory not equipped

#### **Specifications**

Туре		AL	AX	AL+AX	AX+AX		
		AL-05DLS	AX-05DLS	ALAX-05DLS	AX2-05DLS		
Contact	Configuration	1C	1C	2C	2C		
	Contact capacity	400VAC	C, 2A 230VAC, 5A	130VDC, 0.4A 48VE	DC, 1.5A		
Function	Line	-	-	AX	AX		
	Load	AL	AX	AL	AX		
Connection		Busbar terminal					
Compliance standard		IEC60947-5-1 GB14048.5					

Turne	SHT				
туре	SHTA400-05DLS	SHTD048-05DLS			
Cut-off switch	Equipped				
Voltage	110-400VAC	24-48VDC			
Input power requirement	110VAC 60VA 230VAC 250VA 400VAC 750VA	24VDC 75VA 48VDC 300VA			
Operating time [ms]	<20				
Connection	Solderless terminal				
Compliance standard	IEC60947-2	GB14048.2			

\* Secure a sufficient input power supply so that the voltage will not drop below the permissible lower working voltage (70% of the lowest rated voltage).

\* The operating time denotes the time from when the rated voltage is applied to SHT until the time the main contact of the breaker starts to open.

## Accessories

#### **Combinations of Accessories**

	AL					
	AX					
	2AX					
	ALAX					
Accessory connection combinations	SHT					
	AX+SHT					
	AL+SHT					
	2AX+SHT					
	ALAX+SHT					
Breaker AL O AL O AL+AX O AX+AX SHT						

#### **Outer Dimensions**









#### **Connection of Line and Load Side**









/C



# **Characteristics and Dimensions** Miniature Circuit Breakers

#### BH-D6 BH-D10



Туре			BH-D6				BH-D10			BH-D10 (For DC)				
No. of poles [P]				1	2	3	4(3+N)*1	2(1+N)*1	1	2	3	4(3+N)*1	1	2
Instantar	neous trippin	g		Type B, C, D Type B, C			Type B, C, D			Туре	B, C			
Rated ins	sulation volta	age	<i>U</i> i <b>[V]</b>	440			440			25	50			
Rated current In [A] at ambient temperature 30°C			0.5, 1, 1.6, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40, 50, 63		0.5, 1, 1.6, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40	0.5, 1, 1.6, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40, 50, 63		0.5, 1, 1 4, 6, 1 16, 20, 40, 5	.6, 2, 3, 0, 13, 25, 32, 0, 63					
		AC	230V	6		-		6	10		-		6	-
Rated short- circuit capacity [kA]	GB10963.1		230/400V	6		-		-	10		-		6	-
	(Icn)		400V	-		6		-	-		10		-	6
	IEC60898-2	IEC60898-2 DC 12		_			_		10	-				
(lcn)			250V		-			-			-	10		

\*1: N pole is a switched neutral pole (without overcurrent release device).

#### **Operating Characteristics**



#### Outer Dimensions



Ambient Compensation Curve =



Miniature Circuit Breakers (MCB)

#### **BH-DN**



	Тур	е	BH-DN	
No. of po	oles [P]		2 (1+N)*1	
Instantar	neous tripping		Туре С	
Rated in:	sulation voltag	je U <sub>i</sub> [V]	230	
Rated cu at ambie	irrent In [A] ent temperatur	re 30°C	6, 10, 16, 20	
Rated short- circuit capacity [kA]	IEC60898-1 GB10963.1 (Icn)	AC	230V	4.5

\*1: N pole is a switched neutral pole (without overcurrent release device).

#### Operating Characteristics



#### Outer Dimensions



Ambient Compensation Curve —



**Residual Current Circuit Breakers (RCCB)** 

## BV-D



Туре	BV-D		
No. of poles [P]	2(1+N)*1	4(3+N)*1 *2	
Rated operational voltage Ue [AC V]	230	230/400	
Rated current In [A] at ambient temperature 30°C	25, 40, 63		
Rated current sensitivity Ion [mA]	30,	300	
Max. operating time at 5I∆n [s]	0.04		
Pulsating current sensitivity	Туре АС		
Residual operation	Dependent o	n line voltage	
Rated making and breaking capacity Im [A]	500(In 25,40A) 630(In63A)		
Rated conditional short-circuit current Inc [kA]	6		
Rated residual making and breaking capacity I∆m [A]	500(In 25,40A) 630(In63A)		
Rated conditional residual short-circuit current $I\Delta c$ [kA]	6		

\*1: N pole is a switched neutral pole (without overcurrent release device).

\*2: For use to three phase 4-wire type. When using, it be sure to connect the neutral wire to the neutral phase. Not available for use to three phase 3-wire type.

#### ■Operating Characteristics



#### Outer Dimensions



Residual Current Circuit Breakers with Overcurrent Protection (RCBO)

#### **BV-DN**



	Ту	ре	BV-DN		
No. of poles	[P]			2(1+N)*1	
Rated operat	ional voltage	Ue [VAC]	230		
Rated current at ambient te	t In [A] emperature 30°	C	6, 10, 16, 20, 25, 32, 40		
Instantaneou	s tripping		Туре С		
Rated current	t sensitivity l∆r	n [mA]	30, 100, 300		
Max. operatir	ig time at 5l∆n	[s]	0.04		
Pulsating cur	rent sensitivity			Type AC	
Residual ope	ration		Dependent on line voltage		
Rated short-circuit capacity [kA]	IEC61009-1 GB16917.1 (Icn)	AC	230V	4.5	

\*1: N pole is a switched neutral pole (without overcurrent release device).

#### Operating Characteristics

■Outer Dimensions





#### ■Ambient Compensation Curve





Isolating switches

### KB-D



Туре	KB-D				
No. of poles [P]	1 2 3 4				
Utilization category	AC22A class				
Rated insulation voltage Ui [V]	250 440				
Rated voltage Ue [VAC]	230 400				
Rated current In [A] at ambient temperature 30°C	32, 63				
Short-time withstand current [A]	20×In , 1sec				
Short-time making current [A]	20×In				

\*1: N pole is a switched neutral pole (without overcurrent release device).

#### Outer Dimensions =



## **Ordering Information**

Please specify items with



## Information from Fukuyama Works

http://www.MitsubishiElectric.co.jp/haisei/lvs/



#### **Four Key Features**

Product Information

- Ownloads
- 8 News

O Support

## MINIATURE CIRCUIT BREAKERS, RESIDUAL CURRENT CIRCUIT BREAKERS & ISOLATING SWITCHES

#### Service Network

Country / Region	Company	Address	Telephone
Australia	Mitsubishi Electric Australia Pty. Ltd.	348 Victoria Road, Rydalmere, N.S.W. 2116, Australia	+61-2-9684-7777
Chile	Rhona S.A.	Agua Santa 4211 P.O. Box 30-D Vina del Mar, Chile	+56-32-2-320-600
China	Mitsubishi Electric Automation (China) Ltd.	17/F., ChuangXing Financial Center, No.288 West Nanjing Road, Shanghai, 200003	+86-21-2322-3030
China	Mitsubishi Electric Automation (Hong Kong) Ltd.	10/F., Manulife Tower, 169 Electric Road, North Point, Hong Kong	+852-2887-8810
Colombia	Proelectrico Representaciones S.A.	Carrera 53 No 29C-73 - Medellin, Colombia	+57-4-235-30-38
Egypt	Cairo Electrical Group	9, Rostoum St. Garden City P.O. Box 165-11516 Maglis El-Shaab, Cairo - Egypt	+20-2-27961337
Europe	Mitsubishi Electric Europe B.V.	Gothaer Strasse 8, D-40880 Ratingen, Germany	+49-(0)2102-486-0
Indonesia	P. T. Sahabat Indonesia	P.O.Box 5045 Kawasan Industri Pergudangan, Jakarta, Indonesia	+62-(0)21-6610651-9
Korea	Mitsubishi Electric Automation Korea Co., Ltd.	1480-6, Gayang-Dong, Gangseo-Gu, Seoul, Korea	+82-2-3660-9572
Laos	Societe Lao Import Co., Ltd.	43-47 Lane Xang Road P.O. Box 2789 VT Vientiane Laos	+856-21-215043
Lebanon	Comptoir d'Electricite Generale-Liban	Cebaco Center - Block A Autostrade Dora, P.O. Box 11-2597 Beirut - Lebanon	+961-1-240445
Malaysia	Mittric Sdn. Bhd.	5 Jalan Pemberita U1/49, Temasya Industrial Park, Glenmarie 40150 Shah Alam, Selangor, Malaysia	+603-5569-3748
Myanmar	Peace Myanmar Electric Co.,Ltd.	NO137/139 Botataung Pagoda Road, Botataung Town Ship 11161, Yangon, Myanmar	+95-(0)1-202589
Nepal	Watt & Volt House	KHA 2-65, Volt House Dillibazar Post Box: 2108, Kathmandu, Nepal	+977-1-4411330
Other Middle East Arab countries & Cyprus	Comptoir d'Electricite Generale-International-S.A.L.	Cebaco Center - Block A Autostrade Dora P.O. Box 11-1314 Beirut - Lebanon	+961-1-240430
Pakistan	Prince Electric Co.	1&16 Brandreth Road, Lahore-54000, Pakistan	+92-(0)42-7654342
Philippines	Edison Electric Integrated, Inc.	24th Fl. Galleria Corporate Center, Edsa Cr. Ortigas Ave., Quezon City Metro Manila, Philippines	+63-(0)2-634-8691
Saudi Arabia	Center of Electrical Goods	Al-Shuwayer St. Side way of Salahuddin Al-Ayoubi St. P.O. Box 15955 Riyadh 11454 - Saudi Arabia	+966-1-4770149
Singapore	Mitsubishi Electric Asia Pte. Ltd.	307, Alexandra Road, #05-01/02 Mitsubishi Electric Building, Singapore 159943	+65-6473-2308
South Africa	CBI-electric: low voltage	Private Bag 2016, Isando, 1600, South Africa	+27-(0)11-9282000
Taiwan	Setsuyo Enterprise Co., Ltd.	6th Fl., No.105, Wu Kung 3rd, Wu-Ku Hsiang, Taipei, Taiwan, R.O.C.	+886-(0)2-2298-8889
Thailand	United Trading & Import Co., Ltd.	77/12 Bamrungmuang Road, Klong Mahanak, Pomprab Bangkok Thailand	+66-223-4220-3
Uruguay	Fierro Vignoli S.A.	Avda. Uruguay 1274, Montevideo, Uruguay	+598-2-902-0808
Venezuela	Adesco S.A.	Calle 7 La Urbina Edificio Los Robles Locales C y D Planta Baja, Caracas - Venezuela	+58-212-241-9952
Vietnam	CTY TNHH-TM SA GIANG	10th Floor, Room 1006-1007, 255 Tran Hung Dao St., Co Giang Ward, Dist 1, Ho Chi Minh City, Vietnam	+84-8-8386727/28/29

For Safety : Please read the instruction manual carefully before using the products in this catalog. Wiring and connection must be done by the person have a specialized knowledge of electric construction and wiring.



for a greener tomorrow

Eco Changes is the Mitsubishi Electric Group's environmental statement, and expresses the Group's stance on environmental management. Through a wide range of businesses, we are helping contribute to the realization of a sustainable society.

## MITSUBISHI ELECTRIC CORPORATION

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