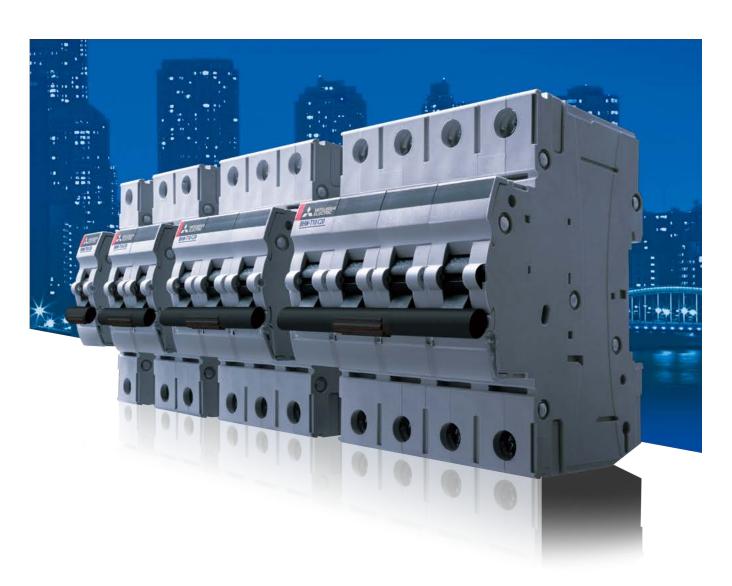


FACTORY AUTOMATION

Miniature Circuit Breakers Residual Current Circuit Breakers Isolators

DIN Series







GLOBAL IMPACT OF MITSUBISHI ELECTRIC







Through Mitsubishi Electric's vision, "Changes for the Better" are possible for a brighter future.

Changes for the Better

"Changes for the Better" represents the Mitsubishi Electric Group's attitude to "always strive to achieve something better", as we continue to change and grow. Each one of us shares a strong will and passion to continuously aim for change, reinforcing our commitment to creating "an even better tomorrow". Mitsubishi Electric is involved in many areas including the following:

Energy and Electric Systems

A wide range of power and electrical products from generators to large-scale displays.

Electronic Devices

A wide portfolio of cutting-edge semiconductor devices for systems and products.

Home Appliance

Dependable consumer products like air conditioners and home entertainment systems.

Information and Communication Systems

Commercial and consumer-centric equipment, products and systems.

Industrial Automation Systems

Maximizing productivity and efficiency with cutting-edge automation technology.



Our advances in Al and IoT are



MEMO

Instructions for Application

1 Warranty period and warranty coverage

If any faults or defects (hereinafter "Failure") found to be the responsibility of Mitsubishi Electric occurs during use of the product within the warranty period, the product shall be repaired at no cost via the sales representative or Mitsubishi Electric Sales office. However, if repairs are required on-site at domestic or overseas locations, expenses to send an engineer will be charged.

1. Warranty period

The warranty period of the product shall be for twelve (12) months after the date of purchase or delivery to the designated place.

2. Warranty coverage

- (1) The primary failure diagnosis should be performed by users. However, if required by users, Mitsubishi Electric or Mitsubishi Electric Sales office may be able to perform the diagnosis. In that case, for damages caused by any cause found to be the responsibility of Mitsubishi Electric, the diagnosis will be performed at no cost. For details, contact a distributor.
- (2) The coverage shall be limited to ordinary use within the usage state, usage methods, usage environment, and other conditions which follow the instructions and precautions given in the instruction manual, user's manual, and caution labels on the product.
- (3) Even within the warranty period, repair cost shall be charged for the following cases.
 - ① Failure occurring from inappropriate storage or handling, carelessness or negligence by the user. Failure caused by selection of hardware or software design on the user side.
 - ② Failure caused by modifications, etc. to the product by the user without any approvals from Mitsubishi Electric.
 - ③ In case Mitsubishi Electric product is assembled into a user's device, failure that could have been avoided if functions or structures, judged as necessary in the legal safety measures the user's device is subject to or as necessary by industry standards, had been provided.
 - Failure that could have been avoided if the maintenance described in the user's manual has been performed.
 - ⑤ Failure caused by external irresistible forces such as fires or abnormal voltages, and failure caused by natural disasters such as earthquakes, lightning, wind and water damages.
 - ® Failure caused by reasons unpredictable based on scientific technology standards at the time of shipment from Mitsubishi Electric.
 - ② Any other failure found not to be the responsibility of Mitsubishi Electric or that admitted not to be so by the user. In addition, the warranty applies only to the product delivered. It does not apply to the damage that is caused by the failure of the product.

3. The period to supply the spare parts after discontinuation of production

Mitsubishi Electric shall supply spare parts for five (5) years after discontinuation of production. After five years, Mitsubishi Electric shall supply spare parts until the spare parts run out of stock.

2 Exclusion of loss in opportunity and secondary loss from warranty liability

Regardless of the warranty period, Mitsubishi Electric shall not be liable for compensation to:

- (1) Damages caused by any cause found not to be the responsibility of Mitsubishi Electric.
- (2) Loss in opportunity, lost profits incurred to the user by failures of Mitsubishi Electric product.
- (3) Damages whether foreseeable or not, secondary damages, compensation for accidents, and compensation for damages to products other than Mitsubishi Electric products, caused by exceptional situations.
- (4) Compensation for cost occurring secondarily from replacement work by the user, maintenance of on-site equipment and start-up test run and other operations.

3 Product applications

- (1) When using the products listed in this catalogue, the following conditions must be confirmed and obeyed. The product must be used so that a failure that occurs to the product does not lead to a serious accident. When a damage or failure occurs, the external backup function or fail-safe function must be executed systematically.
- (2) The products listed in this catalogue are designed and manufactured as general-purpose products for application to the general industry field. Therefore, the warranty does not apply to the following special uses.

- ① The use that has a significant influence on the public facilities such as nuclear power plants and other power plants of power companies.
- ② The use for railway companies, government offices, etc. that require to build the special quality assurance system.
- ③ The use for aerospace equipment, medical equipment, railway equipment, combustion and fuel equipment, passenger vehicles, manned transportation equipment, recreational equipment, safety equipment, and air conditioner for servers and the cooling facilities that are expected to have a significant influence on life, body, and property.

If the products listed in this catalogue are used for the above mentioned special uses, Mitsubishi Electric does not take any responsibility for the quality, performance, and safety of the product, which includes, but is not limited to, default liability, defect liability, quality assurance liability, tort liability, and product liability. However, in case the special quality (beyond general specifications) is not required and the use is a limited purpose and the backup/fail-safe functions are equipped with the facility, Mitsubishi Electric may determine that the products listed in this catalogue can be guaranteed. For details, consult a distributor or Mitsubishi Electric.

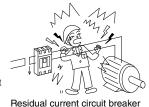
4 Safety precautions

- Carefully read the safety precautions prior to use the circuit breaker correctly.
- Important safety instructions are given below. Strictly observe the instructions.
- Be sure to communicate these safety precautions to the end user.

M DANGER

- Do not touch the terminal area. Doing so can cause an electric shock.
- The residual current circuit breakers are designed to operate when the difference between leaving current and returning current exceeds the specified value. In the case shown in this figure, residual current is not detected. Therefore, never touch the two bare live parts. The circuit breaker will not operate upon occurrence of an electric shock.

Instructions for installation



⚠ CAUTION

- The electrical work shall be performed by qualified personnel (electrical workers).
- Before performing wiring work, turn off the upstream circuit breaker, and ensure that no current is flowing through the circuit breaker to be wired. Failure to do so may expose you to shock hazard.
- When connecting any wire, tighten the terminal screw to the torque specified in the instruction manual. Failure to do so may cause a fire.
- When the model comes with insulating barriers as standard accessories, install the insulating barriers without fail.
- Do not install the circuit breaker in an abnormal environment with high temperature, high moisture, dust, corrosive gas, vibration or shock.
- Doing so may cause a fire or make the circuit breaker inoperative.

 Protect the circuit breaker so that foreign particles, such as dust, concrete powder and iron powder, and rain water will not enter the circuit breaker.

Failure to do so may make the circuit breaker inoperative. [Residual current circuit breaker]

- When using a residual current circuit breaker for use only in 3-phase 4-wire systems, connect the neutral wire to the neutral phase without fail. If they are not connected, the circuit breaker may not operate, thereby resulting in a fire.
- Connect the circuit breaker to a power supply appropriate to the rating of its body.

Failure to do so may make the circuit breaker inoperative or damage it.

[Explanation of warning symbols]

⚠ DANGER	Incorrect handling of the product will result in a hazardous situation, such as death or serious injury.
 ∴ CAUTION	Incorrect handling of the product may result in a hazardous situation according to circumstances.
0	This means something is prohibited and should never be performed.
	Ignition or fire may occur under certain circumstances.

Instructions for use

⚠ CAUTION

- When the circuit breaker automatically breaks a circuit, turn on the handle after removing the cause. Failure to do so may cause an electric shock or a fire.
- [Residual current circuit breaker]
- Ground the earth terminal of electrical equipment.
 - Failure to do so may cause an electric shock or a fire.
- Press the test button to check the operation once a month or so. If the earth leakage circuit breaker is not turned off, it is out of order. Consult an electrician.

Instructions for maintenance

⚠ CAUTION

- The circuit breakers shall be maintained by persons with specialized knowledge.
- Before maintaining, turn off the upstream circuit breaker, and ensure that no current is flowing through the circuit breaker to be maintained. Failure to do so may expose you to shock hazard.
- Retighten the terminals periodically.
 Failure to do so may cause a fire.

Instructions for disposal

⚠ CAUTION

When disposing of the product, treat it as industrial waste.

5 Change in product specifications

The specifications of the product listed in this catalogue, manuals or technical documents are subject to change without prior notice.



Introducing the DIN Series...

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

DIN Series



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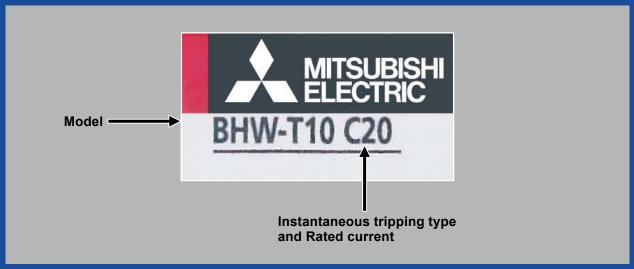
Features

- (1) All models fully comply with IEC regulations
- (2) Compliance with IP2X protection rating (front surface)
- (3) All models are compatible with reverse connection
- (4) Rated currents up to 100A for MCBs, 100A for RCCBs
- (5) Accessories suitable for field fitted for MCBs (80 to 100A)

Product Line-up

Model		No. of poles (P)			Rated operational voltage (V)	Rated short- circuit breaking capacity (kA)	Compliance standard
		1, 2(1+N), 2, 3, 4(3+N), 4	6 to 63A	TYPE B	240/415AC	10	IEC 60898-1
MOD-	DUNAL TAO	1, 2(1+N), 2, 3, 4(3+N), 4	0.5 to 63A	TYPE C, D	240/415AC	10	IEC 60898-1
MCBs	BHW-T10	1, 2, 3, 4	80 to 100A	TYPE B, C	240/415AC	10	IEC 60898-1 IEC 60947-2
RCCBs	BVW-T	2(1+N), 4(3+N)	16 to 100A	-	240/415AC	_	IEC 61008-1
Isolators	KBW-T	1, 2, 3, 4	25 to 63A	-	240/415AC	-	IEC 60947-3
ISUIAIUIS	NDVV-1	2, 3, 4	80 to 125A	-	240/415AC	_	IEC 60947-3

Explanation of Markings (Example Model: BHW-T10)



Technical Specifications

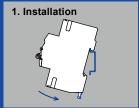
Ambient temperature range	MCBs, Isolators	-10 to +40°C
Ambient temperature range	RCCBs	-25 to +40°C
Rated frequency		50/60Hz

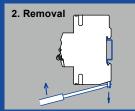
Points to Note

Installation & Removal

Standard IEC 35mm 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
М3	0.5	AL-1BHW, AX-05BHW, AX-1BHW
M5	2.0	BHW-T10(0.5 to 63A), BVW-T, KBW-T(25 to 63A),SHT (0.5 to 63A)
M6	2.5	KBW-T(80 to 125A)
M8	3.5	BHW-T10(80 to 100A)

? 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.
- * Please conduct the above test regularly.
- * Do not use the test button to switch off the RCCBs.
- (3) At this time, the RCCBs must be tripped within the specified time.
- (4) The handle will move to the Off position.

5 Cleaning

Never use thinner, detergent, and other chemicals for cleaning. It is likely to make letters on the plate illegible or to lower insulation performance. Clean the breaker using air cleaner or by brushing.

Selection

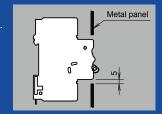
In case of installing MCBs side by side, reduce the passing current to under 80% of the rated current. Set current rating with enough allowance while taking fluctuation of power voltage and load current into consideration.

7 Connection with solderless terminal

Crimp after loosening strand of the connection wire and putting the core wires together. Regular inspection and retightening are necessary as the wires come loose as time goes.

8 Installation

When a metal panel comes close to MCBs (80 to 100A), be sure to secure a distance of more than 5mm in between.



Specifications

			MCBs											
Model			BHW-T10											
Image														
No. of poles [P]			1	2(1+N)*1	2	3	4(3+N)*1	4	1	2(1+N)*1	2	3	4(3+N)*1	4
Instantaneous tripping*2						e B						e C, D		
Rated insulation voltage	<i>U</i> _i [V]				6	60						60		
Rated current In [A] at ambient temperature	30°C					5, 20, 25, 50, 63					6, 10, 1	2, 3, 4, 5, 6, 20, 25, 1, 50, 63		
Rated short-		240V			1	0						10		
circuit 60898-1	AC	240/ 415V	10 – 10							_			10	
capacity (Icn)		415V	-	_ 10 _ 10										
Energy limiting class*3			Class 3											
T T C T C T	Nithout o		4,000											
	Nith curr	ent		4,000										
Dimensions [mm] a	a_	а	18	3	6	54	7	2	18	3	86	54	7:	2
	-	b						92	2.6					
		С	44											
		ca						Max.	73.5					
Type of overcurrent release	ase								magnetic					
Mounting		IEC 35mm rail												
Applicable wire size [mm	12]								25					
Mass [kg]			0.13	0.25	0.26	0.39	0.51	0.52	0.13	0.25	0.26	0.39	0.51	0.52
	Auxiliary sw Shunt tric	ritch (AX)** O (SHT)*5	0											
Terminal connection		(- /						Solderles	s terminal					
Based on standard			IEC/EN 60898-1											
CE marking				Self-declaration										
UKCA marking								Self-de	claration					
1. N. polo is a quitabod poutral polo (without ourse went release device)														

- *1: N pole is a switched neutral pole (without overcurrent release device). *2: Type B (3 I_n <, \leq 5 I_n), Type C (5 I_n <, \leq 10 I_n), Type D (10 I_n <, \leq 20 I_n) *3: Except for Type D *4: Field fitted

- *5: Factory fitted
 *6: In case of installing breakers side by side, reduce the passing current to under 80% of the rated current.

No. of poles P 1 2 3 4							MCBs					
No. of poles P		Mode	el		BHW-T10							
Instantaneous tripping Type B, C		Imag	е				Ā					
Rated LECFN Sept. Sept	No. of pole	es [P]			1			4				
Rated current I												
Current Imp. Imp.	Rated insu	ulation voltag					690					
EC/EN 60947-2 60° C				30°C			80 100					
Rate Rote		temp.	IEC/EN 60947-2				·					
Coronitation	Rated											
Direction Capacity Cival Civa	short-		AC									
Capacity Color C					-							
	capacity		AC	240V								
Utilization category	[kA]		٨٥	415V	- 10/7.5							
Pollution degree 3 Number of operating cycles Without current 10,000 4,000	Rated impu	ulse withstan	d voltage (J _{imp} [kV]								
Number of operating cycles Without current 10,000 4,000												
Operating cycles With current 4,000 Dimensions (mm) a 27 54 81 108 6 b 94 44												
Dimensions												
Mounting			With curi	ent								
Solderless terminal connection Solderless terminal Based on standard Self-declaration Self-declara			ca	а	27	54	81	108				
Type of overcurrent release Mounting Applicable wire size [mm²] Mass [kg] Accessories (optional)*² Alarm switch (AL) Auxiliary switch (AX) Type of overcurrent release Thermal-magnetic IEC 35mm rail 10 to 35 Alarm switch (AL) Accessories (optional)*² Auxiliary switch (AX) Solderless terminal Based on standard EC/EN 6098-1, IEC/EN 60947-2 CE marking UKCA marking Self-declaration Self-declaration	,,	<u> </u>		b	94							
Type of overcurrent release			' [С	44							
Mounting	L		ட	ca	74.5							
Applicable wire size [mm²]	Type of ov	ercurrent rele	ease		Thermal-magnetic							
Mass [kg] 0.21 0.42 0.63 0.84 Accessories (optional)**2 Alarm switch (AL) Auxiliary switch (AX) O <		Mounting										
Accessories (optional)** Alarm switch (AL)												
Accessories (optional) Auxiliary switch (AX) Terminal connection Based on standard CE marking UKCA marking Auxiliary switch (AX) Solderless terminal IEC/EN 6098-1, IEC/EN 60947-2 Self-declaration UKCA marking Self-declaration					0.21	0.42		0.84				
Terminal connection Solderless terminal Based on standard IEC/EN 60898-1, IEC/EN 60947-2 CE marking Self-declaration UKCA marking Self-declaration	Accessories (ontional)											
CE marking Self-declaration UKCA marking Self-declaration	Terminal c	onnection				Solde	rless terminal					
UKCA marking Self-declaration												
						Self	declaration					

- *1: Type B (3 I_n <, \leq 5 I_n), Type C (5 I_n <, \leq 10 I_n)
 *2: Field fitted
 *3: In case of installing breakers side by side, reduce the passing current to under 80% of the rated current.

Specifications

Model	DV						
	BVW-T						
Image							
No. of poles [P]	2 (1+N)*1	4(3+N)*1					
Rated voltage [VAC]	240	415					
Rated current In [A] at ambient temperature 30°C	16, 25, 32, 4	0, 63, 80, 100					
Rated residual operating current $I_{\Delta n}$ [A] 30, 10	0, 300					
Max. operating time at 5 $I_{\Delta n}$ [s]	0.	04					
Pulsating current sensitivity	Тур	e AC					
Residual operation	Independent	of line voltage					
Short-circuit protective device	BHW-T10						
Rated making and breaking capacity $I_{\rm r}$	500(I _n 16, 25, 32, 40A), 630(I _n 63A), 800(I _n 80A), 1000(I _n 100A)						
Rated conditional short-circuit current $I_{ m nc}$	10						
Rated residual making and breaking capacity I	500(I _n 16, 25, 32, 40A), 630(I _n 63A), 800(I _n 80A), 1000(I _n 100A)						
Rated conditional residual short-circuit current I_{M}	10						
Number of Without curr	4,000° ²						
operating cycles With current	2,0	000					
Dimensions ca [mm] a	36	72					
	g	0					
	4	4					
	7	4					
Mounting	IEC 35	mm rail					
Applicable wire size [mm²]	1 to	35					
Mass [kg]	0.22	0.22 0.44					
Accessories	Not available						
Terminal connection	Solderles	Solderless terminal					
Based on standard	IEC/EN	IEC/EN 61008-1					
CE marking	Self-der	claration					
UKCA marking	Self-de	claration					

^{*1:} N pole is a switched neutral pole.
*2: In case of ampere rating 32, 40, 63, 80 and 100A, the number of operating cycles is 3,000.

						Isolators					
Mod	el		KBW-T								
lmaç	je										
No. of poles [P]			1	2	3	4	2	3	4		
Utilization category				AC-	22A			AC-22A			
Rated operational cuat ambient temperate	irrent I_n [Aure 30°C	A]		25, 4	0, 63			80, 100, 125			
Rated operational vo	ltage [VA	.C]	240		240/415			240/415			
Rated short-time withs	tand curre	ent Icw [A]		12×	n, 1s			12× <i>I</i> _n , 1s			
Rated short-circuit make	ing capac	ity Icm [A]		12	×I _n		12×In				
Rated impulse withstan	d voltage	U _{imp} [kV]		(6	6					
Pollution degree				:	2	2					
Dimensions [mm] a	ca	а	18	36	54	72	36	54	72		
		b		92	2.6		92.6				
	4	С		4	4		44				
<u>+</u>	لـــا	ca		Max.	73.5	Max. 73.5					
Number of	Without	current		10,	000		10,000(<i>I</i> _n 80, 100A) 8,000(<i>I</i> _n 125A)				
operating cycles	With cu	rrent		1,5	500		1,500(I _n 80, 100A) 1,000(I _n 125A)				
Mounting				IEC 35	mm rail			IEC 35mm rail			
Applicable wire size	[mm²]			1 to	25			10 to 50			
Mass [kg]			0.12	0.22	0.33	0.47	0.20	0.30	0.40		
Accessories				Not av	ailable			Not available			
Terminal connection				Solderles	s terminal		Solderless terminal				
Based on standard				IEC/EN	60947-3			IEC/EN 60947-3			
CE marking				Self-ded	claration			Self-declaration			
UKCA marking				Self-ded	claration			Self-declaration			

Miniature Circuit Breakers (MCBs)

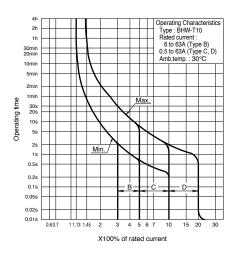
BHW-T10 (0.5 to 63A)



	Model			BHW-T10											
No. of po	les [P]			1	2(1+N)*1	2	3	4(3+N)*1	4	1	2(1+N)*1	2	3	4(3+N)*1	4
Instantan	neous trippir	ng				Тур	е В			Type C,D					
Rated ins	sulation volt	age	<i>U</i> i [V]			66	60					66	60		
	Rated current I _n [A] at ambient temperature 30°C			6,10,16,20,25, 32,40,50,63						0.5,1,2,3,4,5, 6,10,16,20,25, 32,40,50,63					
Rated short-	JEO/EN		240V		10				10						
breaking		898-1 AC 240/415			10 – 10			10	-			10			
capacity [kA]	(I _{cn})		415V		-			10			-			10	

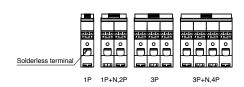
 $[\]ast 1 : N$ pole is a switched neutral pole (without overcurrent release device).

■Operating Characteristics

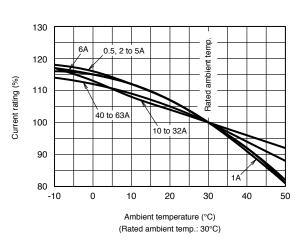


■Outline Drawing

M5 screw Neutral pole (3P+N only) (3P+N only) (3P+N only) (3P+N only) (3P+N only) (3P+N only) (3P+N only)



■Temperature Compensation Curve =



* In case of installing breakers side by side, reduce the passing current to under 80% of the rated current.

Accessories

Functions of Accessories

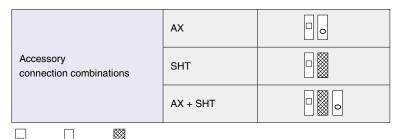
Accessory	Function
AX Auxiliary switch	Electrically indicates the On/Off status of the circuit breaker.
SHT Shunt trip	Electrically trips the circuit breaker from a remote location. Permissible working voltage is 100% of the rated voltage.

Specifications

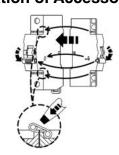
Acce	ssory	AX
Model		AX-05BHW
Contact	Configuration	1C
Contact	Contact capacity	230VAC 5A
Conn	ection	Solderless terminal
Fitn	nent	Field fitted

Accessory	SHT					
Cut-off switch	Equipped					
Voltage	12VDC 24VDC 48VDC 220VAC					
Input power requirement [VA]	40 110 300 250					
Operating time [ms]	<20					
Connection	Solderless terminal					
Fitment	Factory fitted					

Combinations of Accessories

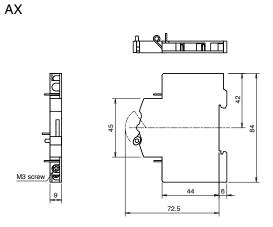


Installation of Accessories



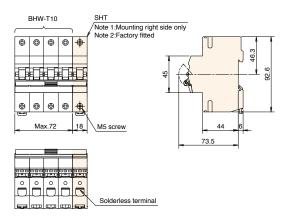
Outline Drawing





SHT

AX



^{*}Secure a sufficient input power supply so that the voltage will not drop below the permissible working voltage (100% of the 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.

Miniature Circuit Breakers (MCBs)

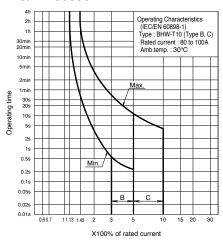
BHW-T10 (80 to 100A)



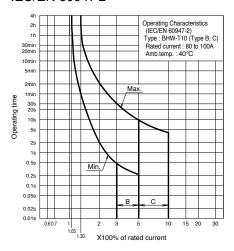
	Mo	del		BHW-T10					
No. of pol	es [P]			1 2 3 4					
Instantan	Instantaneous tripping			Type B, C					
Rated ins	ulation vo	oltage $U_{\rm i}$	[V]	690					
Rated	Amb.	IEC/EN 60898-1	30°C	00.400					
In [A]	current I _n [A] temp. IEC/EN 60947-2 40°C			80, 100					
Datad	IEC/EN		240V	10					
OHOTE	60898-1	AC	240/415V	10					
circuit breaking	(I _{cn})		415V	- 10					
capacity	IEC/EN 60947-2	AC	240V	10/7.5					
[1/4]	$\begin{bmatrix} (I_{\text{cu}}/I_{\text{cs}}) \end{bmatrix} = AC$			– 10/7.5					

■Operating Characteristics

IEC/EN 60898-1

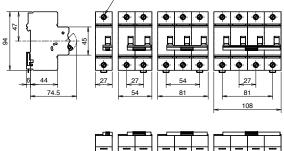


IEC/EN 60947-2



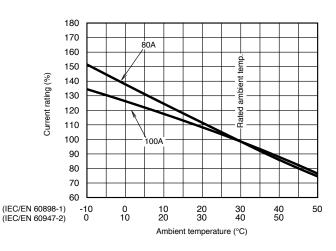
■Outline Drawing

M8 screw





■Temperature Compensation Curve



^{*} In case of installing breakers side by side, reduce the passing current to under 80% of the rated current.

Accessories

Functions of Accessories

Accessory	Function
AL Alarm switch Electrically indicates the trip status of the circuit breaker.	
AX Auxiliary switch	Electrically indicates the On/Off status of the circuit breaker.

Specifications

Accessory		AL	AX
Mo	odel	AL-1BHW AX-1BHW	
Contact	Configuration	1C	1C
	Contact capacity	230VAC 5A	230VAC 5A
Conn	ection	Solderless terminal	Solderless terminal
Fitment		Field fitted	Field fitted

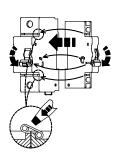
Combinations of Accessories

connection combinations AX	Accessory connection combinations	AL	
		AX	



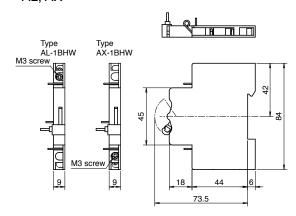
Installation of Accessories

AL, AX



Outline Drawing

AL, AX



Residual Current Circuit Breakers (RCCBs)

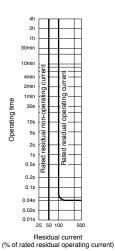
BVW-T



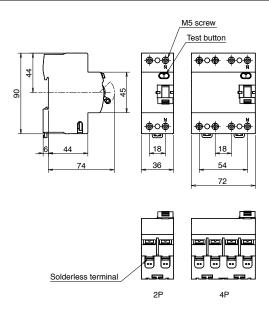
Model	BVW-T			
No. of poles [P]	2(1+N)*1	4(3+N)*1		
Rated voltage [VAC]	240	415		
Rated current I_n [A] at ambient temperature 30°C	16, 25, 32, 40, 63, 80, 100			
Rated residual operating current I_{Δ^n} [mA]	30, 100, 300			
Max. operating time at 5 $I_{\Delta n}$ [s]	0.04			
Pulsating current sensitivity	Type AC			
Residual operation	Independent of line voltage			
Rated making and breaking capacity I_m [A]	500(In 16, 25, 32, 40A), 630(In 63A), 800(In 80A), 1000(In 100A)			
Rated conditional short-circuit current Inc [kA]	10			
Rated residual making and breaking capacity $I_{\Lambda m}$ [A]	500(In 16, 25, 32, 40A), 630(In 63A), 800(In 80A), 1000(In 100A)			
Rated conditional residual short-circuit current $I_{\Lambda^{\circ}}[kA]$	10			

^{*1:} N pole is a switched neutral pole.

■Earth-Leakage Tripping Characteristics



■Outline Drawing



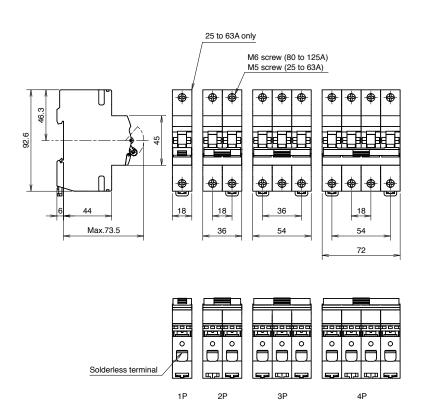
Isolators

KBW-T

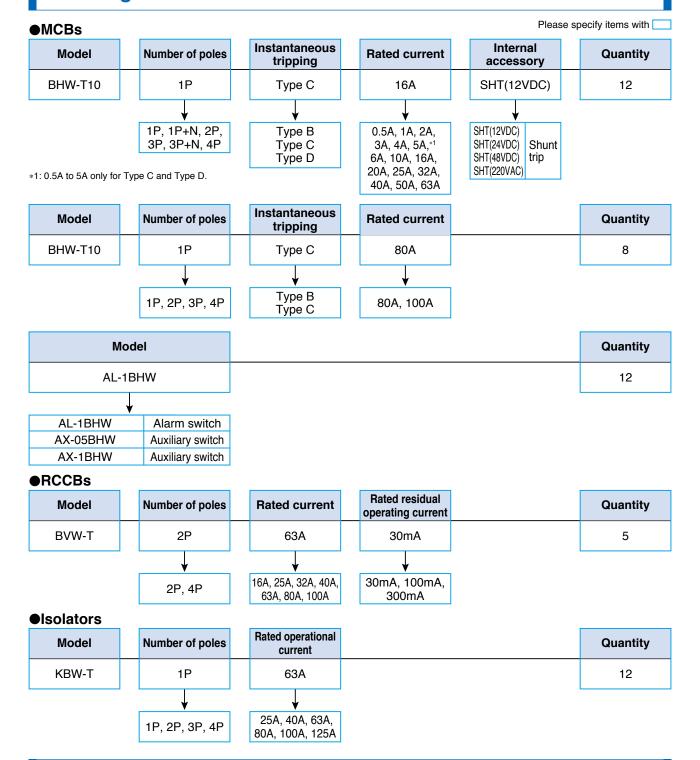


Model	квw-т						
No. of poles [P]	1	2	3	4	2	3	4
Utilization category	AC-22A AC-22A			AC-22A			
Rated insulation voltage $U_i[V]$	660			660			
Rated operational voltage Ue [VAC]	240 240/415		240/415				
Rated operational current I _n [A] at ambient temperature 30°C	25, 40, 63		80, 100, 125				
Rated short-time withstand current I_{cw} [A]	12× <i>I</i> _n , 1s		12×I _n , 1s				
Rated short-circuit making capacity Icm [A]	12×In		12×I _n				

■Outline Drawing



Ordering Information



Information from Fukuyama Works

FA Global Site

https://www.mitsubishielectric.com/fa/products/lvd/lvcb/index.html



Four Key Features

- Product Information
- 2 Downloads
- News
- Support

MEMO

MINIATURE CIRCUIT BREAKERS, RESIDUAL CURRENT CIRCUIT BREAKERS & ISOLATORS

Sales Network

Country/Region	Corporation Name	Address	Telephone
Australia	Mitsubishi Electric Australia Pty. Ltd.	348 Victoria Road, Rydalmere, N.S.W. 2116, Australia	+61-2-9684-7777
Algeria	Mec Casa	Rue i N 125 Hay-Es-Salem, 02000, W-Chlef, Algeria	+213-27798069
	PROGRESSIVE TRADING CORPORATION	HAQUE TOWER,2ND FLOOR,610/11,JUBILEE ROAD, CHITTAGONG, BANGLADESH	+880-31-624307
Bangladesh	ELECTROMECH AUTOMATION& ENGINEERING LTD.	SHATABDI CENTER, 12TH FLOOR, SUITES: 12-B, 292, INNER CIRCULAR ROAD, FAKIRA POOL, MOTIJHEEL, DHAKA-1000, BANGLADESH	+88-02-7192826
Belarus	Technikon	Oktyabrskaya 19, Off. 705, BY-220030 Minsk, Belarus	+375 (0)17 / 210 46 26
Belgium	Mitsubishi Electric Europe B.V. Benelux Branch	Nijverheidsweg 23A, 3641 RP Mijdrecht	+31 (0)297 250 350
Brazil	Mitsubishi Electric do Brasil Comércio e Serviços Ltda.	Avenida Adelino Cardana, 293 – 21° Andar, Bethaville, Barueri, SP, Brasil, CEP 06401-147	+55-11-4689-3000
Cambodia	DHINIMEX CO.,LTD	#245, St. Tep Phan, Phnom Penh, Cambodia	+855-23-997-725
Central America	Automation International LLC	7050 W. Palmetto Park Road Suite #15 PMB #555, Boca Raton, FL 33433	+1-561-237-5228
Chile	Rhona S.A. (Main office)	Vte. Agua Santa 4211 Casilla 30-D (P.O. Box) Vina del Mar, Chile	+56-32-2-320-600
	Mitsubishi Electric Automation (China) Ltd.	Mitsubishi Electric Automation Building, No.1386 Honggiao Road, Shanghai, China 200336	+86-21-2322-3030
	Mitsubishi Electric Automation (China) Ltd. BeiJing	5/F,ONE INDIGO,20 Jiuxianqiao Road Chaoyang District,Beijing, China 100016	+86-10-6518-8830
01.	Mitsubishi Electric Automation (China) Ltd. ShenZhen	Level 8, Galaxy World Tower B, 1 Yabao Road, Longgang District, Shenzhen, China 518129	+86-755-2399-8272
China	Mitsubishi Electric Automation (China) Ltd. GuangZhou	Rm.1006, A1 Times E-Park, No.276-282, Hanxi Road East, Zhongcun Street, Panyu Distric, Guangzhou, China 510030	+86-20-8923-6730
	Mitsubishi Electric Automation (China) Ltd. ChengDu	1501-1503,15F, Guang-hua Centre Building-C, No.98 North Guang Hua 3th Rd Chengdu, China 610000	+86-28-8446-8030
	Mitsubishi Electric Automation (Hong Kong) Ltd.	20/F,1111 King's Road, Taikoo Shing, Hong Kong	+852-2510-0555
Colombia	Proelectrico Representaciones S.A.	Carrera 42 Nº 75 – 367 Bodega 109, Itagüi, Medellín, Antioquia, Colombia	+57-4-4441284
Czech Republic	AUTOCONT CONTROL SYSTEMS S.R.O	Technologická 374/6, CZ-708 00 Ostrava - Pustkovec	+420 595 691 150
Denmark	BEIJER ELECTRONICS A/S	LYKKEGARDSVEJ 17, DK-4000 ROSKILDE, Denmark	+45 (0)46/ 75 76 66
Egypt	Cairo Electrical Group	9, Rostoum St. Garden City P.O. Box 165-11516 Maglis El-Shaab, Cairo - Egypt	+20-2-27961337
France	Mitsubishi Electric Europe B.V. French Branch	FR-92741 Nanterre Cedex	+33 (0)1 55 68 57 01
Germany	Mitsubishi Electric Europe B.V.	Mitsubishi-Electric-Platz 1, 40882 Ratingen, Germany	+49 (0) 2102 4860
•	KALAMARAKIS - SAPOUNAS S.A.	IONIAS & NEROMILOU STR., CHAMOMILOS ACHARNES, ATHENS, 13678 Greece	+30-2102 406000
Greece	Meltrade Ltd.	Fertö utca 14. HU-1107 Budapest, Hungary	+36 (0)1-431-9726
Hungary			
	Mitsubishi Electric India Private Limited	3rd Floor, Tower A, Global Gateway, MG Road, Gurugram - 122002, Haryana, India	+91(124)673 9300
India	Mitsubishi Electric India Private Limited Pune Sales Office	ICC-Devi Gaurav Technology Park, Unit no. 402, Fourth Floor, Survey no. 191-192 (P), Opp. Vallabh Nagar Bus Depot, Pune – 411018, Maharasahtra, India	+91-20-68192100
	Mitsubishi Electric India Private Limited FA Center	204-209, 2nd Floor, 31FIVE, Corporate Road, Prahladnagar, Ahmedabad 380015, Gujarat. India	+91-79677-77888
Indonesia	PT. Sahabat Indonesia	P.O.Box 5045 Kawasan Industri Pergudangan, Jakarta, Indonesia	+62-(0)21-6610651-9
Ireland	Mitsubishi Electric Europe B.V.	Westgate Business Park, Ballymount, IRL-Dublin 24, Ireland	+353 (0)1-4198800
Israel	Gino Industries Ltd.	26, Ophir Street IL-32235 Haifa, Israel	+972 (0)4-867-0656
Italy	Mitsubishi Electric Europe B.V.	Viale Colleoni 7, I-20041 Agrate Brianza (MI), Italy	+39 039-60531
Kazakhstan	Kazpromavtomatika	UI. Zhambyla 28, KAZ - 100017 Karaganda	+7-7212-501000
Korea	Mitsubishi Electric Automation Korea Co., Ltd	9F Gangseo Hangang xi-tower A, 401 Yangcheon-ro, Gangseo-gu, Seoul 07528 Korea	+82-2-3660-9573
Laos	AROUNKIT CORPORATION IMPORT- EXPORT SOLE CO.,LTD	SAPHANMO VILLAGE. SAYSETHA DISTRICT, VIENTIANE CAPITAL, LAOS	+856-20-415899
Lebanon	Comptoir d'Electricite Generale-Liban	Cebaco Center - Block A Autostrade Dora, P.O. Box 11-2597 Beirut - Lebanon	+961-1-240445
Lithuania	Rifas UAB	Tinklu 29A, LT-5300 Panevezys, Lithuania	+370 (0)45-582-728
Malaysia	Mittric Sdn Bhd	No. 5 Jalan Pemberita U1/49, Temasya Industrial Park, Glenmarie 40150 Shah Alam, Selangor, Malaysia	+603-5569-3748
Malta	ALFATRADE LTD	99 PAOLA HILL, PAOLA PLA 1702, Malta	+356 (0)21-697-816
Maroco	SCHIELE MAROC	KM 7,2 NOUVELLE ROUTE DE RABAT AIN SEBAA, 20600 Casablanca, Maroco	+212 661 45 15 96
Myanmar	Peace Myanmar Electric Co.,Ltd.	NO137/139 Botahtaung Pagoda Road, Botahtaung 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
Netherlands	Mitsubishi Electric Europe B.V. Benelux Branch	Nijverheidsweg 23A, 3641 RP Mijdrecht	+31 (0)297 250 350
North America	Mitsubishi Electric Automation, Inc.	500 Corporate Woods Parkway, Vernon Hills, IL 60061 USA	+847-478-2100
Norway Mexico	Scanelec AS Mitsubishi Electric Automation, Inc. Mexico Branch	Leirvikasen 43B, NO-5179 Godvik, Norway Blvd. Miguel de Cervantes Saavedra 301, Torre Norte Piso 5, Col. Ampliación Granada,	+47 (0)55-506000 +52-55-3067-7511
Middle East	Comptoir d'Electricite Generale-International-S.A.L.	Miguel Hidalgo, Ciudad de México, CP 11520, México Cebaco Center - Block A Autostrade Dora P.O. Box 11-1314 Beirut - Lebanon	+961-1-240430
rab Countries & Cyprus	Prince Electric Co.	2-P GULBERG II, LAHORE, 54600, PAKISTAN	+02 42 575020 57502
Pakistan			+92-42-575232, 57533
Peru	Rhona S.A. (Branch office)	Avenida Argentina 2201, Cercado de Lima	+51-1-464-4459
Philippines	Edison Electric Integrated, Inc.	24th Fl. Galleria Corporate Center, Edsa Cr. Ortigas Ave., Quezon City Metro Manila, Philippines	+63-(0)2-634-8691
Poland	Mitsubishi Electric Europe B.V. Polish Branch	Krakowska 48, 32-083 Balice, Poland	+48 12 347 65 00
	Intehsis SRL	bld. Traian 23/1, MD-2060 Kishinev, Moldova	+373 (0)22-66-4242
Romania	Sirius Trading & Services SRL	RO-060841 Bucuresti, Sector 6 Aleea Lacul Morii Nr. 3	+40-(0)21-430-40-06
Russia	Mitsubishi Electric (Russia) LLC	2 bld.1, Letnikovskaya street, Moscow, 115114, Russia	+7 495 721-2070
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, Mitsubishi Electric Building, Singapore 159943	+65-6473-2308
Slovakia	PROCONT, Presov	Kupelna 1/, SK - 08001 Presov, Slovakia	+421 (0)51 - 7580 611
Slovakia	SIMAP	Jana Derku 1671, SK - 91101 Trencin, Slovakia	+421 (0)32 743 04 72
Slovenia	Inea RBT d.o.o.	Stegne 11, SI-1000 Ljubljana, Slovenia	+386 (0)1-513-8116
South Africa	CBI-electric: low voltage	Private Bag 2016, ZA-1600 Isando Gauteng, South Africa	+27-(0)11-9282000
Spain	Mitsubishi Electric Europe B.V. Spanish Branch	Carretera de Rubí 76-80, E-08190 Sant Cugat del Vallés (Barcelona), Spain	+34 (0)93-565-3131
Sweden	Mitsubishi Electric Europe B.V. (Scandinavia) Euro Energy Components AB	Hedvig Möllers gata 6, 223 55 Lund, Sweden Jämvägsgatan 36, S-434 24 Kungsbacka, Sweden	+46 (0)8-625-10-00 +46 (0)300-690040
Cuitzorland			
Switzerland	TriElec AG	Muehlentalstrasse 136, CH-8201 Schaffhausen, Switzerland	+41-(0)52-6258425
Taiwan	Setsuyo Enterprise Co., Ltd	5th FI., 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
Tunisia	MOTRA Electric	3, Résidence Imen, Avenue des Martyrs Mourouj III, 2074 - El Mourouj III Ben Arous, Tunisia	+216-71 474 599
Turkey	Mitsubishi Electric Turkey A.Ş.	Şerifali Mahallesi Kale Sokak No: 41, 34775 Ümraniye, İstanbul, Turkey	+90-216-969-2666
United Kingdom	Mitsubishi Electric Europe B.V.	Travellers Lane, UK-Hatfield, Herts. AL10 8XB, United Kingdom	+44 (0)1707-276100
Uruguay	Fierro Vignoli S.A.	Avda. Uruguay 1274 Montevideo Uruguay	+598-2-902-0808
		11th & 12th Floor, Viettel Tower B, 285 Cach Mang Thang 8 Street, Ward 12, District 10, Ho Chi Minh City, Vietnam	+84-28-3910-5945
Vietnam	Mitsubishi Electric Vietnam Co.,Ltd. Head Office	I TILITA IZLII FIDDI, VIELLEI IDWEI B, 200 CACII MANG ITIANG O SLIEEL. WAIG 12. DISLICL ID. NO CHI MINI CIV. VIELIAITI	T04-20-38 10-3843

For Safety : Please read the instruction manual and handling and maintenance 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.

MITSUBISHI ELECTRIC CORPORATION

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