


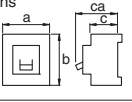

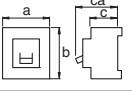
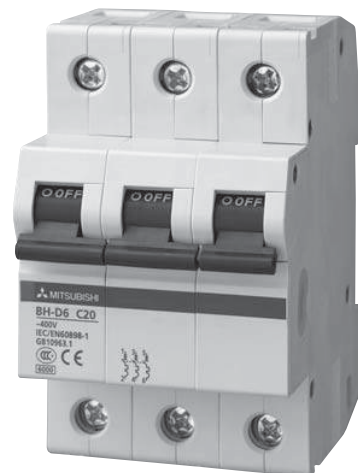


Model		BH-D6					BH-D10				BH-DN		
Image													
Number of poles [P]		1	2	3	4(3+N) ^{*1}	2(1+N) ^{*1}	1	2	3	4(3+N) ^{*1}	2(1+N) ^{*1}		
Instantaneous tripping		Type B, C, D ^{*2}					Type B, C, D ^{*2}				Type C ^{*2}		
Rated insulation voltage U_i [V]		440					440				230		
Rated current I_n [A] 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, 50, 63				6, 10, 16, 20		
Rated short-circuit capacity [kA]	IEC60898-1 (Icn)	AC	230V	6	-			6	10	-			4.5
			230/400V	6	-			-	10	-			-
			400V	-	6			-	-	-			-
Number of operating cycles	Without current		8,000					10,000				20,000	
	With current		8,000					10,000				20,000	
Dimensions [mm]		a	18	36	54	72	36	18	36	54	72	18	
		b	87					87				88	
		c	44					44				44	
		ca	70					70				70	
Type of overcurrent release		Thermal-magnetic					Thermal-magnetic				Thermal-magnetic		
Mounting		IEC35mm rail					IEC35mm rail				IEC35mm rail		
Applicable wire size		1 to 25mm ²					1 to 25mm ²				1 to 10mm ²		
Weight [kg]		0.15	0.3	0.45	0.55	0.25	0.15	0.3	0.45	0.55	0.12		
Mass optional accessories	Alarm switch (AL)		●					●				-	
	Auxiliary switch (AX)		●					●				-	
	Shunt trip (SHT)		●					●				-	
Terminal connection		Solderless					Solderless				Solderless		
Based on standard		IEC60898-1					IEC60898-1				IEC60898-1		
CE marking		EN60898-1 : Self-declaration					EN60898-1 : Self-declaration				EN60898-1 : Self-declaration		
CCC		GB10963.1					GB10963.1				GB10963.1		

Notes: *1 N pole is a switched neutral pole (without overcurrent release device).
*2 Type B (3 In <, ≤ 5 In), Type C (5 In <, ≤ 10 In), Type D (10 In <, ≤ 20 In)

Model		BH-D10 (For DC)			
Image					
Number of poles [P]		1	2		
Instantaneous tripping		Type B, C ^{*3}			
Rated insulation voltage U_i [V]		250			
Rated current I_n [A] at ambient temperature 30°C		0.5, 1, 1.6, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40, 50, 63			
Rated short-circuit capacity [kA]	IEC60898-2 (Icn)	DC	125V	10	-
			250V	-	10
Number of operating cycles	Without current		8,000		
	With current		4,000		
Dimensions [mm]		a	18	36	
		b	87		
		c	44		
		ca	70		
Type of overcurrent release		Thermal-magnetic			
Mounting		IEC35mm rail			
Applicable wire size		1 to 25mm ²			
Weight [kg]		0.15	0.3		
Mass optional accessories	Alarm switch (AL)		●		
	Auxiliary switch (AX)		●		
	Shunt trip (SHT)		●		
Terminal connection		Solderless			
Based on standard		IEC60898-2			
CE marking		EN60898-2 : Self-declaration			
CCC		GB10963.2			


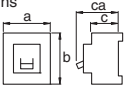
Notes: *3 Type B: (5 In <, ≤ 7 In), Type C: (7 In <, ≤ 15 In)



2 Detailed Specifications 6 Miniature Circuit Breakers

2


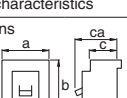
6 Detailed Specifications


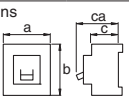
Model		RCCB	
		BV-D	
Image			
Number of poles [P]		2(1+N) ^{*1}	4(3+N) ^{*1-3}
Rated current [A] at ambient temperature 30°C		25, 40, 63	
Rated voltage [VAC]		230	230/400
Rated current sensitivity I _{Δn} [mA]		30, 300	
Max. operating time at 5I _{Δn} [s]		0.04	
Pulsating current sensitivity		Type AC	
Rated conditional short-circuit current [kA]		6	
Dimensions [mm]		a	36 72
		b	85
		c	44
		ca	70
Mass [kg]		0.2	0.35
Rated making and breaking capacity I _m [A]		500(In 25,40A), 630(In63A)	
Rated conditional short-circuit current I _{nc} [kA]		6	
Rated residual making and breaking capacity I _{Δm} [A]		500(In 25,40A), 630(In63A)	
Rated conditional residual short-circuit current I _{Δc} [kA]		6	
Number of operating cycles		Without current	8,000
		With current	8,000
Type of overcurrent release		-	
Mounting		IEC35mm rail	
Applicable wire size		1 to 25mm ²	
Weight [kg]		0.2	0.35
Terminal connection		Solderless	
Based on standard		IEC61008-1	
CE marking		EN61008-1 : Self-declaration	
CCC		GB16916	

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

*2 Type C: (5 In <, ≅ 10 In)

*3 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.

Model		RCBO	
		BV-DN	
Image			
Number of poles [P]		2(1+N) ^{*1}	
Rated current [A] at ambient temperature 30°C		6, 10, 16, 20, 25, 32, 40	
Rated voltage [VAC]		230	
Rated current sensitivity I _{Δn} [mA]		30, 100, 300	
Max. operating time at 5I _{Δn} [s]		0.04	
Pulsating current sensitivity		Type AC	
Breaking capacity [kA] sym. (IEC 61009)		4.5	
Tripping characteristics		Type C ^{*2}	
Dimensions [mm]		a	36
		b	88
		c	44
		ca	70
Mass [kg]		0.19	
Automatic tripping device		Thermal, magnetic	
Number of operating cycles		Without current	20,000
		With current	20,000 (In 6,10,16,20A) 15,000 (In 25A) 10,000 (In 32,40A)
Type of overcurrent release		Thermal-magnetic	
Mounting		IEC35mm rail	
Applicable wire size		1 to 16mm ²	
Weight [kg]		0.19	
Terminal connection		Solderless	
Based on standard		IEC61009-1	
CE marking		EN61009-1 : Self-declaration	
CCC		GB16917	

Model		Isolating switch			
		KB-D			
Image					
Number of poles [P]		1	2	3	4(3+N)
Utilization category		AC22A class			
Rated current [A] at ambient temperature 30°C		32, 63, 80			
Rated voltage [VAC]		230	400		
Short time withstand current [A]		20 × In, 1s			
Short-circuit making capacity [A]		20 × In			
Dimensions [mm]		a	18 36	54	72
		b	87		
		c	44		
		ca	70		
Mass [kg]		0.09	0.18	0.27	0.36
Number of operating cycles		Without current			
		With current			
Mounting		IEC35mm rail			
Applicable wire size		1 to 25mm ²			
Weight [kg]		0.1	0.2	0.3	0.4
Terminal connection		Solderless			
Based on standard		IEC60947-3			
CE marking		EN60947-3 : Self-declaration			
CCC		GB14048.3			

Accessories for Miniature Circuit Breakers

Functions of Accessories

Internal 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.
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	BH-D6	BH-D10	BH, BH-P, BH-S, BH-PS, BH-DN, BV-DN, KB-D, BV-D
AL	○	○	-
AX	○	○	
SHT	○	○	

○: Accessory equipped
-: Accessory not equipped

Specifications

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

Type	SHT	
	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.

2 Detailed Specifications 6 Miniature Circuit Breakers

2

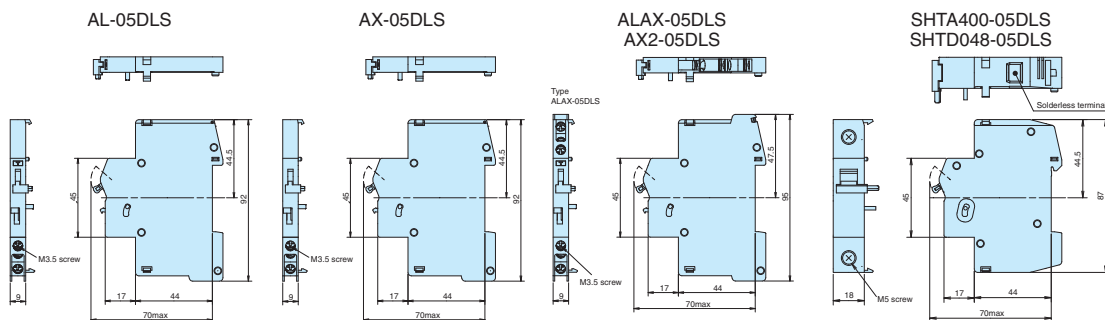
6 Detailed Specifications

Combinations of Accessories

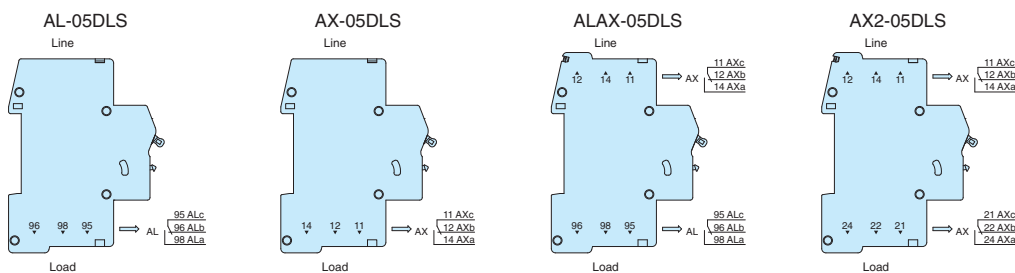
Accessory connection combinations	AL			
	AX			
	2AX			
	ALAX			
	SHT			
	AX+SHT			
	AL+SHT			
	2AX+SHT			
	ALAX+SHT			



Outline Drawing

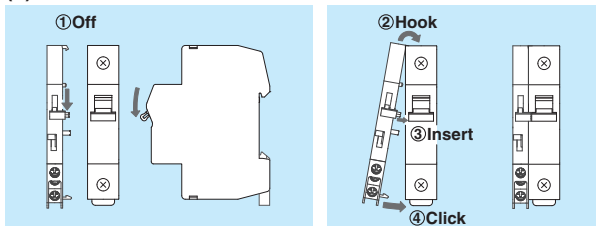


Connection of Line and Load Side

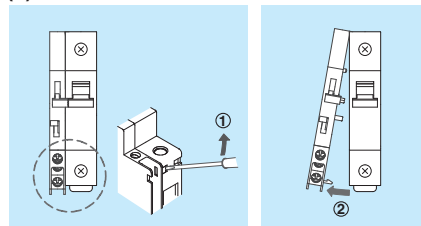


Installation of Accessories (AX, AL, SHT)

(1) Installation



(2) Removal



Changes for the Better

MINIATURE CIRCUIT BREAKERS,
RESIDUAL CURRENT CIRCUIT BREAKERS & ISOLATING SWITCHES

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

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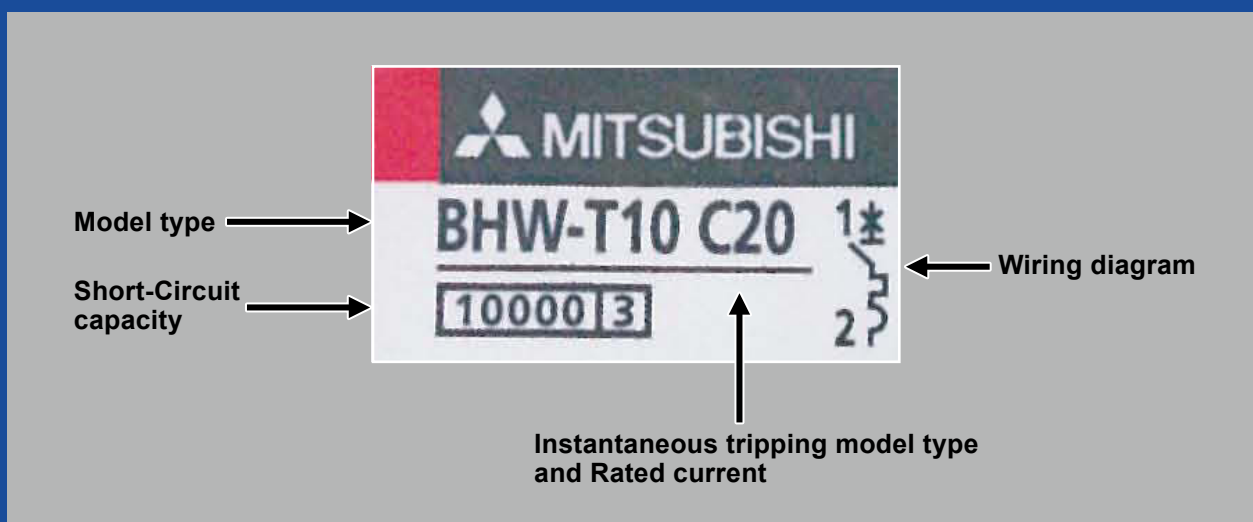
Features

- (1) All models fully comply with IEC regulations
- (2) Units can be mounted on a standard IEC 35mm rail
- (3) High current-limiting performance
- (4) Compliance with IP2X protection rating (front surface)
- (5) All models are compatible with reverse connection

Product Line-up

Model type		No of poles (P)	Rating	Instantaneous tripping	Voltage (V)	Short-Circuit capacity (kA)	Compliance standard
MCB	BHW-T10	1, 1+N, 2, 3, 3+N, 4	6 to 63A	TYPE B	240/415AC	10	IEC 60898-1
		1, 1+N, 2, 3, 3+N, 4	0.5 to 63A	TYPE C, D	240/415AC		IEC 60898-1
RCCB	BVW-T	2(1+N), 4(3+N)	16 to 63A	–	240/415AC	–	IEC 61008-1
Isolating Switch	KBW-T	1, 2, 3, 4	25, 40, 63A	–	240/415AC	–	IEC 60947-3
		2, 3, 4	80, 100, 125A	–	240/415AC	–	IEC 60947-3

Explanation of Markings (Example Model Type : BHW-T10)



Technical Specifications

Ambient temperature range	-10 to +40°C
Frequency	50/60Hz

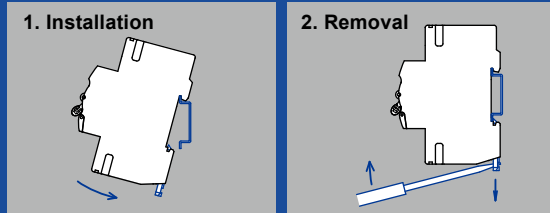


Points to Note

1 Installation

Standard IEC 35mm rail installation is possible.
Fix by attaching a slip stopper.

Fig-1



2 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	2	BHW-T10, BVW-T, KBW-T(25 to 63A), Shunt trip
M6	2.5	KBW-T(80 to 125A)

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.

4 Earth-leakage Test

Earth-leakage test steps:

- (1) Move the handle to the On position under rated voltage.
- (2) Push the yellow test button.
- (3) At this time, the RCCB must be tripped within the specified time.
- (4) The handle will move to the Off position.

* Please conduct the above test regularly.

* Do not use the test button to switch off the RCCB.

5 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 "▲" 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 accidentally applied to one of these models, do not reuse the product regardless of whether or not they were tripped.)

Measuring position		Test	Insulation resistance measurement		Withstand voltage test		
			ON	OFF	ON	OFF	
Handle position			ON	OFF	ON	OFF	
Between main circuit live part and ground			○	○	○	○	
Between different poles	On line side	BVW-T 2P	▲	○	×	○	
		BVW-T 4P	Between right pole (terminal symbol 6) and N pole	▲	○	×	○
		Between poles other than above	○	○	○	○	
	On load side	BVW-T 2P	▲	▲	×	×	
		BVW-T 4P	Between right pole (terminal symbol 6) and N pole	▲	▲	×	×
			Between poles other than above	○	○	○	○
Between terminals on line side and load side			-	○	-	○	

Specifications

		MCB															
Type		BHW-T10															
Image																	
No. of poles [P]		1	1+N ^{*1}	2	3	3+N ^{*1}	4	1	1+N ^{*1}	2	3	3+N ^{*1}	4				
Instantaneous tripping		Type B ^{*2}							Type C, D ^{*2}								
Rated insulation voltage U_i [V]		660							660								
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-circuit capacity [kA]	IEC/EN 60898-1 (Icn)	AC	240V	10							10						
			240/415V	10	–	10			10	–	10						
			415V	–	10			–	10								
Energy limiting class ^{*3}		Class 3															
Number of operating cycles	Without current	4,000															
	With current	4,000															
Dimensions [mm]		a	18	36	54	72	18	36	54	72							
		b	92.6														
		c	44														
		ca	Max. 73.5														
		Type of overcurrent release	Thermal-magnetic														
Mounting		IEC 35mm rail															
Applicable wire size		1 to 25mm ²															
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				
Accessories (optional) ^{*4}	Auxiliary switch (AX)	○															
	Shunt trip (SHT)	○															
Terminal connection		Solderless															
Based on standard		IEC/EN 60898-1															
CE marking		○															

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

		RCCB				
Type		BVW-T				
Image						
No. of poles [P]		2(1+N) ^{*1}		4(3+N) ^{*1}		
Rated current I_n [A] at ambient temperature 30°C		16, 25, 32, 40, 63				
Rated voltage [VAC]		240	415			
Rated current sensitivity $I_{\Delta n}$ [mA]		30, 100, 300				
Max. operating time at 5 $I_{\Delta n}$ [s]		0.04				
Pulsating current sensitivity		Type AC				
Dimensions [mm]		a	36	72		
		b	90			
		c	44			
		ca	74			
		Rated making and breaking capacity I_m [A]	500(In 16, 25, 32, 40A), 630(In 63A)			
Rated conditional short-circuit current I_{nc} [kA]		6				
Rated residual making and breaking capacity I_{sm} [A]		500(In 16, 25, 32, 40A), 630(In 63A)				
Rated conditional residual short-circuit current I_{sc} [kA]		6				
Number of operating cycles	Without current	4,000 ^{*2}				
	With current	2,000				
Type of overcurrent release		–				
Mounting		IEC 35mm rail				
Applicable wire size		1 to 25mm ²				
Mass [kg]		0.22	0.44			
Terminal connection		Solderless				
Based on standard		IEC/EN 61008-1				
CE marking		○				

*1: N pole is a switched neutral pole (without overcurrent release device).
 *2: In case of ampere rating 32, 40 and 63A, the number of operating cycles is 3,000.

		Isolating switch								
Type		KBW-T								
Image										
No. of poles [P]		1	2	3	4	2	3	4		
Utilization category		AC-22A				AC-22A				
Rated current I_n [A] at ambient temperature 30°C		25, 40, 63				80, 100, 125				
Rated voltage [VAC]		240	240/415			240/415				
Short time withstand current I_{cw} [A]		12xIn, 1s				12xIn, 1s				
Short-circuit making capacity I_{cm} [A]		12xIn				12xIn				
Rated impulse withstand voltage U_{imp} [kV]		6				6				
Pollution degree		2				2				
Dimensions [mm]		a	18	36	54	72	36	54	72	
		b	92.6				92.6			
		c	44				44			
		ca	Max. 73.5				Max. 73.5			
		Rated making and breaking capacity I_m [A]	500(In 16, 25, 32, 40A), 630(In 63A)				500(In 16, 25, 32, 40A), 630(In 63A)			
Number of operating cycles	Without current	10,000				10,000 8,000(125A)				
	With current	1,500				1,500 1,000(125A)				
Mounting		IEC 35mm rail				IEC 35mm rail				
Applicable wire size		1 to 25mm ²				16 to 50mm ²				
Mass [kg]		0.12	0.22	0.33	0.47	0.2	0.3	0.4		
Terminal connection		Solderless				Solderless				
Based on standard		IEC/EN 60947-3				IEC/EN 60947-3				
CE marking		○				○				

Accessories

Functions of Accessories

Internal 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.

Equipping of Accessories

Accessory	Model name	BHW-T10	BVW-T, KBW-T
AX		○	—
SHT		○	—

○: Accessory equipment
 —: Accessory not equipped

Specifications

Type	AX	
Contact	Configuration	1A1B
	Contact capacity	220VAC 6A
Connection	Lead wire	
Compliance standard	IEC 60947-5-1	

Specifications

Type	SHT			
Cut-off switch	Equipped			
Voltage	12VDC	24VDC	48VDC	220VAC
Input power requirement	40	110	300	250
Operating time [ms]	<20			
Connection	Solderless			
Compliance standard	IEC 60947-1			

* 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.

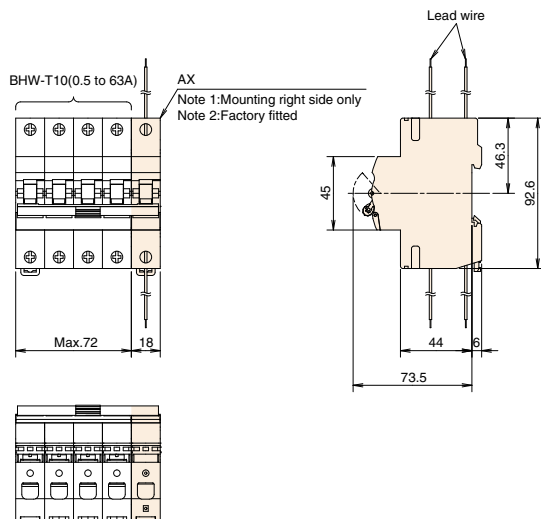
Combinations of Accessories

Accessory connection combinations	AX	
	SHT	

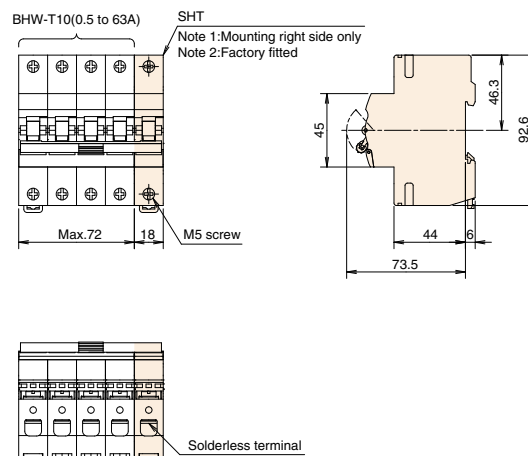


Outer Dimensions

BHW-T10 with AX



BHW-T10 with SHT



Characteristics and Dimensions

Miniature Circuit Breakers (MCB)

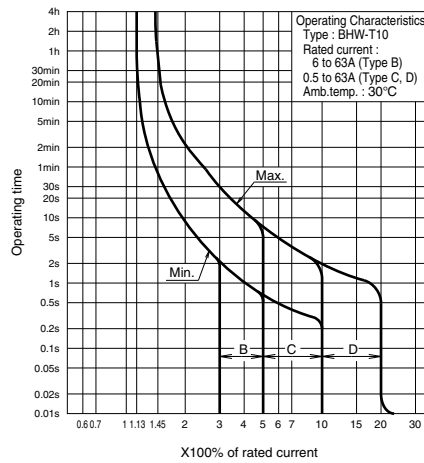
BHW-T10



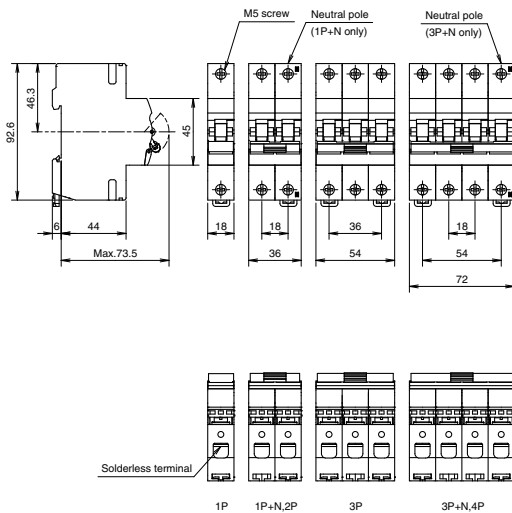
Type		BHW-T10														
No. of poles [P]		1	1+N ¹	2	3	3+N ¹	4	1	1+N ¹	2	3	3+N ¹	4			
Instantaneous tripping		Type B						Type C, D								
Rated insulation voltage U_i [V]		660						660								
Rated current I_n [A] at ambient temperature 30°C		6, 10, 16, 20, 25, 32, 40, 50, 63						0.5, 1, 2, 3, 4, 5, 6, 10, 16, 20, 25, 32, 40, 50, 63								
Rated short-circuit capacity [kA]	IEC/EN 60898-1 (Icn)	AC	240V		10						10					
			240/415V	10	–	10				10	–	10				
			415V	–	10				–	10						

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

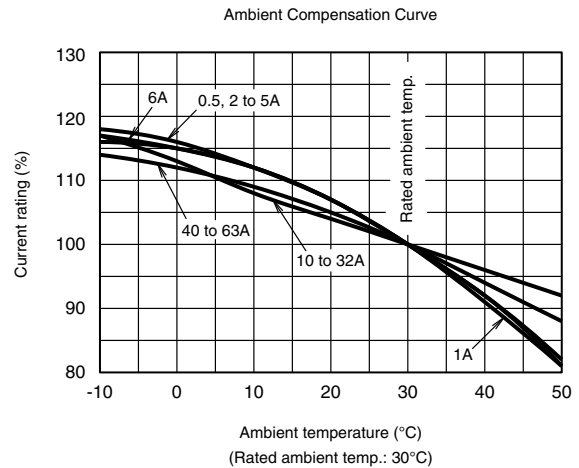
Operating Characteristics



Outer Dimensions



Ambient Compensation Curve



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

Characteristics and Dimensions

Residual Current Circuit Breakers (RCCB)

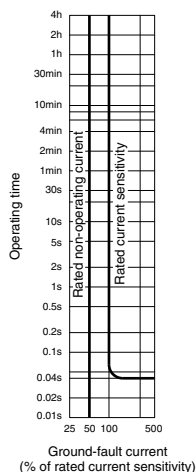
BVW-T



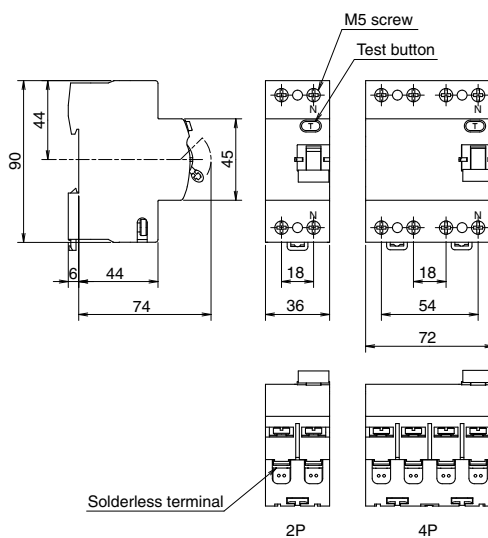
Type	BVW-T	
No. of poles [P]	$2(1+N)^{*1}$	$4(3+N)^{*1}$
Rated operational voltage U_e [AC V]	240	415
Rated current I_n [A] at ambient temperature 30°C	16, 25, 32, 40, 63	
Rated current sensitivity $I_{\Delta n}$ [mA]	30, 100, 300	
Max. operating time at $5 I_{\Delta n}$ [s]	0.04	
Pulsating current sensitivity	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)	
Rated conditional short-circuit current I_{nc} [kA]	6	
Rated residual making and breaking capacity $I_{\Delta m}$ [A]	500(In 16, 25, 32, 40A) 630(In 63A)	
Rated conditional residual short-circuit current $I_{\Delta c}$ [kA]	6	

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

Earth-Leakage Tripping Characteristics



Outer Dimensions



Characteristics and Dimensions

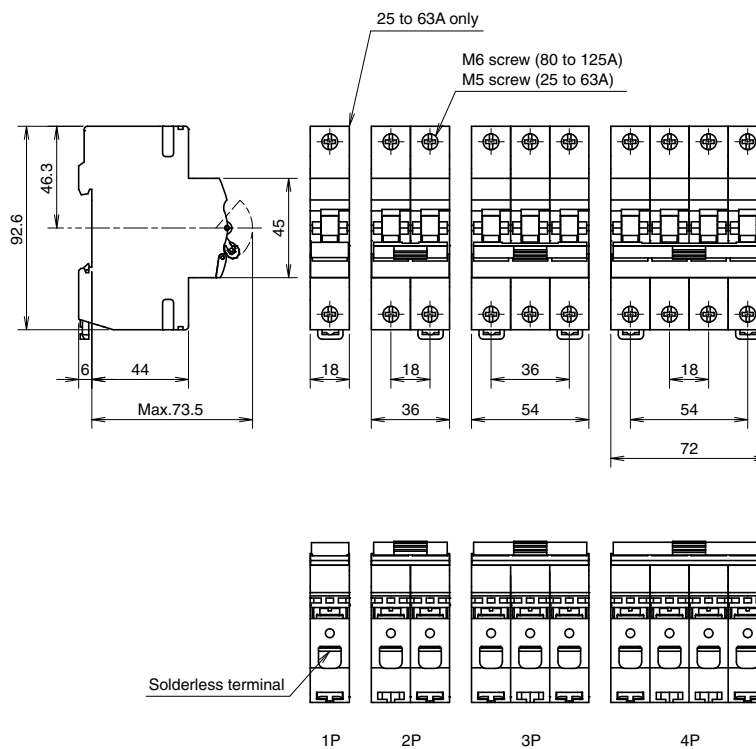
Isolating Switches

KBW-T



Type	KBW-T						
No. of poles [P]	1	2	3	4	2	3	4
Utilization category	AC-22A				AC-22A		
Rated insulation voltage U_i [V]	660				660		
Rated voltage U_e [VAC]	240	240/415			240/415		
Rated current I_n [A] at ambient temperature 30°C	25, 40, 63				80, 100, 125		
Short-time withstand current I_{cw} [A]	12xI _n , 1s				12xI _n , 1s		
Short-time making current I_{cm} [A]	12xI _n				12xI _n		

Outer Dimensions



Ordering Information

Please specify items with

Type name	Number of poles	Operating characteristics	Rated current	Internal accessory	Quantity
BHW-T10	1P	Type C	16A	SHT(12VDC)	12
BHW-T10	1P, 1P+N, 2P, 3P, 3P+N, 4P	Type B Type C Type D	0.5, 1, 2, 3, 4, 5, 6, 10, 16, 20, 25, 32, 40, 50, 63A	Shunt trip SHT(12VDC), SHT(24VDC), SHT(48VDC), SHT(220VAC) Auxiliary switch AX	

Type name	Number of poles	Rated current	Quantity
KBW-T	1P	63A	12
	1P, 2P, 3P, 4P	25, 40, 63, 80, 100, 125A	

Type name	Number of poles	Rated current	Rated sensitivity current	Quantity
BVW-T	2P	63A	30mA	6
	2P, 4P	16, 25, 32, 40, 63A	30, 100, 300mA	

Information from Fukuyama Works

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



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- ❶ Product Information
- ❷ Downloads
- ❸ News
- ❹ Support

MINIATURE CIRCUIT BREAKERS, RESIDUAL CURRENT CIRCUIT BREAKERS & ISOLATING SWITCHES

Sales Network

Country / Region	Corporation Name	Address	Telephone
Belarus	TECHNIKON	Prospect Nezavisimosti 177-9 BY-220125 Minsk, Belarus	+3275 (0)17-393 1177
Belgium	Koning & Hartman B.V.	Woluwelaan 31, BE-1800 Vilvoorde, Belgium	+32 (0)2-257 02 40
Chile	Rhona S.A.	Vte. Agua Santa 4211 Casilla 30-D (P.O. Box) Vina del Mar, Chile	+56-32-2-320-600
Colombia	Proelectrico Representaciones S.A.	Carrera 53 No 29C-73 - Medellin, Colombia	+57-4-235-30-38
Czech Republic	Autocont Control System S.R.O	Kafkova 1853/3 CZ-702 00 Ostrava 2, Czech	+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
Germany	Mitsubishi Electric Europe B.V.	Gothaer Str. 8, D-40880 Ratingen, Germany	+49 (0) 2102-486-0
Greece	UTECO	5, Mavrogenous Str., GR-18542 Piraeus, Greece	+30 (0)211-1206-900
Hungary	Meltrade Ltd.	Fertő utca 14. HU-1107 Budapest, Hungary	+36 (0)1-431-9726
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, Palazzo Sirio, I-20864 Agrate Brianza (MB), Italy	+39 039-60 53 1
Kazakhstan	TOO KAZPROMAVTOMA TIKA	UL. ZHAMBLYA 28, KAZ-100017 Karaganda, Kazakhstan	+7 7212 - 50 10 00
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	Mittrich 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, Malta-Paola PLA 1702, Malta	+356 (0)21-697-816
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North America	Mitsubishi Electric Automation, Inc.	500 Corporate Woods Parkway, Vernon Hills, IL 60061 USA	+847-478-2100
Norway	Scanelec AS	Leirvikasen 43B, NO-5179 Godvik, Norway	+47 (0)55-50 60 00
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
Poland	Mitsubishi Electric Europe B.V.	ul. Krakowska 50, PL-32-083 Balice, Poland	+48 (0) 12 630 47 00
Republic of Moldova	Intehsis SRL	bld. Traian 23/1, MD-2060 Kishinev, Moldova	+373 (0)22-66 4242
Romania	Sirius Trading & Services SRL	Aleea Lacul Morii Nr. 3, RO-060841 Bucuresti, Sector 6, Romania	+40-(0)21-430 40 06
Russia	Moscow Liaison Office	52, bld. 3 Kosmodamianskaya nab. 8 floor, RU-115054 Moscow, 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	
Slovakia	SIMAP s.r.o.	Jana Dorku 1671, SK-91101 Trench, Slovakia	+421 (0)32 743 04 72
Slovenia	INEA RBT d.o.o.	Stegne 11, SI-1000 Ljubljana, Slovenia	+386 (0)1-513 8116
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Switzerland	TRIELEC AG	Muehlentalstrasse 136, CH-8200 Schaffhausen, Switzerland	+41-(0)52-625 84 25
Turkey	Mitsubishi Electric Turkiye - Umraniye Subesi	Serifali Mahallesi Nutuk Sokak No.5, TR-34775 Umraniye - ISTANBUL, Turkey	+90 (0)216-526 39 90
United Kingdom	Mitsubishi Electric Europe B.V.	Travellers Lane, UK-Hatfield, Herts. AL10 8XB, United Kingdom	+44 (0)1707-28 87 80
Uruguay	Fierro Vignoli S.A.	Avda. Uruguay 1274, 11.100 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	Mitsubishi Electric Vietnam Company Limited	Unit 01-04, 10th Floor, Vincom Center 72 Le Thanh Ton Street, District 1, Ho Chi Minh City, Vietnam	+84 (8) 3910-5945

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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