
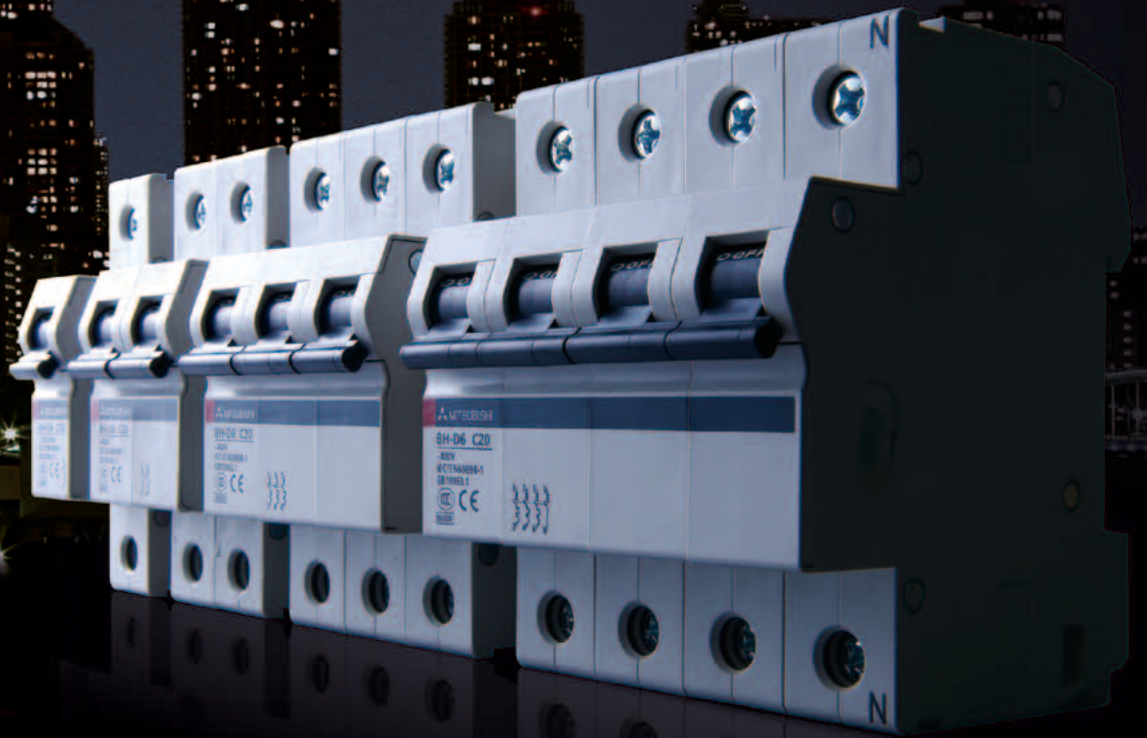


for a greener tomorrow 

Changes for the Better

MINIATURE CIRCUIT BREAKERS,
RESIDUAL CURRENT CIRCUIT BREAKERS & ISOLATING SWITCHES

DIN Series



Breaking Through The



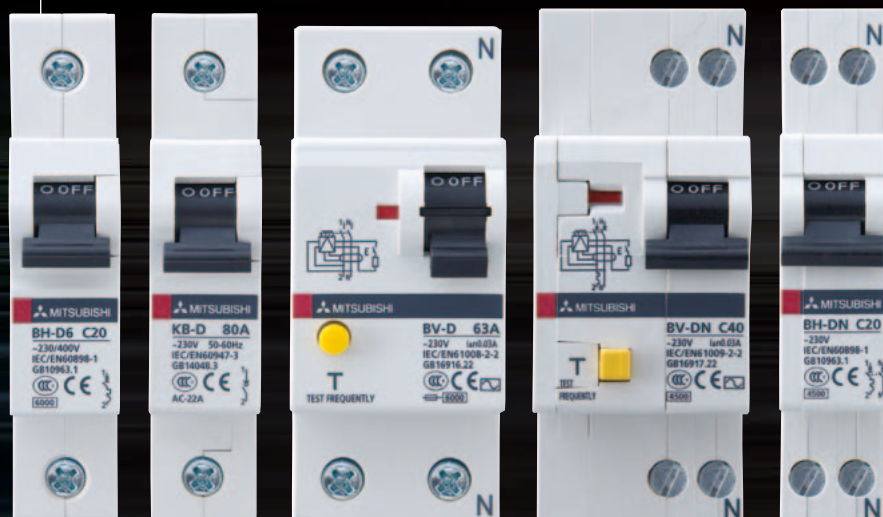
Introducing the DIN Series...

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

DIN Series

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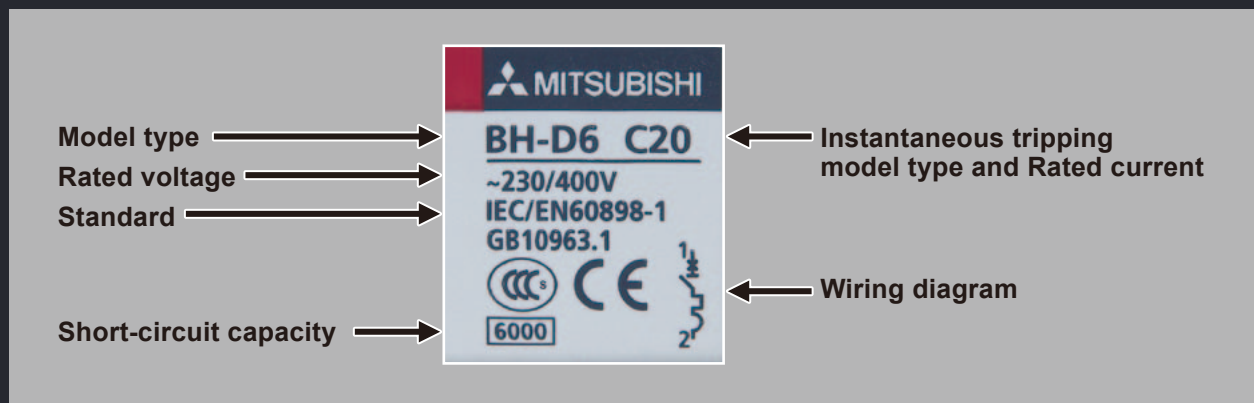
Features

- (1) All models fully comply with IEC regulations
- (2) 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

Product Line-up

Model type		No of poles (P)	Rating	Instantaneous tripping	Voltage (V)	Short-Circuit capacity (kA)	Compliance standard
MCB	BH-D6	1, 2, 3, 4(3+N)	0.5~63A	TYPE B, C, D	230/400AC	6	IEC60898-1
		1+N	0.5~40A	TYPE B, C	230AC		
	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	0.5~63A	TYPE B, C	125DC	10
	2		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

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



Technical Specifications

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

DIN Series

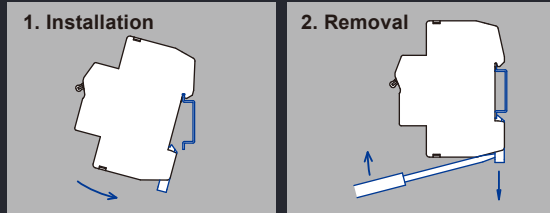


Points to Note

1 Installation

Standard IEC35mm 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	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

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 or RCBO must be tripped within the specified time.
- (4) The handle will move to the Off position.
- (5) The earth-leakage indication changes from white to red.

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:

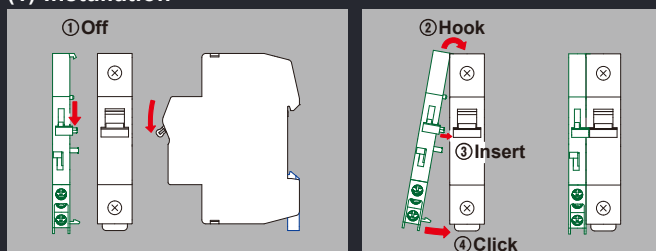
- Do not use a 1000V insulation resistance tester. Please use a 500V insulation resistance tester.
- The “▲” marks in the table are based on minimum insulation resistance values.

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.)

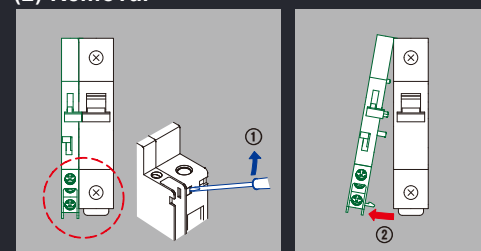
Measuring position		Test	Insulation resistance measurement		Withstand voltage test	
			ON	OFF	ON	OFF
Handle position			○	○	○	○
Between main circuit live part and ground			○	○	○	○
Between different poles	On line side	BV-D 2P BV-DN	▲	○	×	○
		BV-D 4P Between right pole (terminal symbol 6) and N pole Between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

6 Installation of Accessories (AX, AL, SHT)




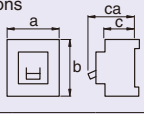
(1) Installation



(2) Removal


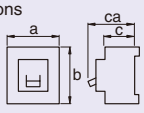


Specifications

Type		MCB														
		BH-D6					BH-D10				BH-DN					
Image																
No. 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				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] (I _{cn})	IEC60898-1 GB10963.1 (I _{cn})	AC	230V	6	–	6	10	–	–	–	4.5					
			230/400V	6	–	–	10	–	–	–	–					
			400V	–	6	–	–	–	10	–	–					
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					
Accessories (optional)	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					

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


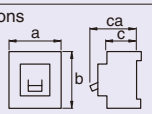
*2: Type B: (3 In <, ≤ 5 In), Type C: (5 In <, ≤ 10 In), Type D: (10 In <, ≤ 20 In)

Type		For DC													
		BH-D10													
Image															
No. 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] (I _{cn})	IEC60898-2 GB10963.2 (I _{cn})	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	
Accessories (optional)	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													

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




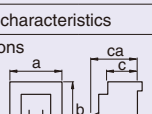
Specifications


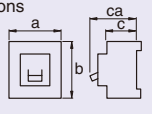
		RCCB	
Type		BV-D	
Image			
No. of poles [P]		$2(1+N)^{-1}$	$4(3+N)^{-1+3}$
Rated current [A] at ambient temperature 30°C		25, 40, 63	
Rated voltage [VAC]		230	230/400
Rated current sensitivity $I\Delta n$ [mA]		30, 300	
Max. operating time at $5I\Delta n$ [s]		0.04	
Pulsating current sensitivity		Type AC	
Rated conditional short-circuit current [kA]		6	
Dimensions [mm]		a	36
		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 $I_{\Delta m}$ [A]		500(In 25,40A), 630(In63A)	
Rated conditional residual short-circuit current $I_{\Delta c}$ [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	

*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.

		RCBO	
Type		BV-DN	
Image			
No. 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 $I\Delta n$ [mA]		30, 100, 300	
Max. operating time at $5I\Delta n$ [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	

		Isolating switch			
Type		KB-D			
Image					
No. of poles [P]		1	2	3	4(3+N)
Utilization category		AC22A class			
Rated current [A] at ambient temperature 30°C		32, 63			
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
		b	87		
		c	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 operating cycles	Without current	20,000			
	With current	3,000			
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

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 name	BH-D6	BH-D10	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.

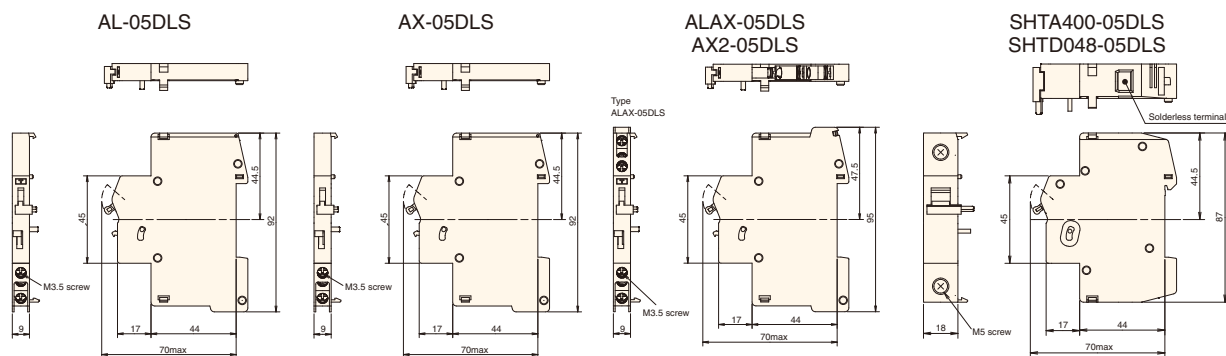
Accessories

Combinations of Accessories

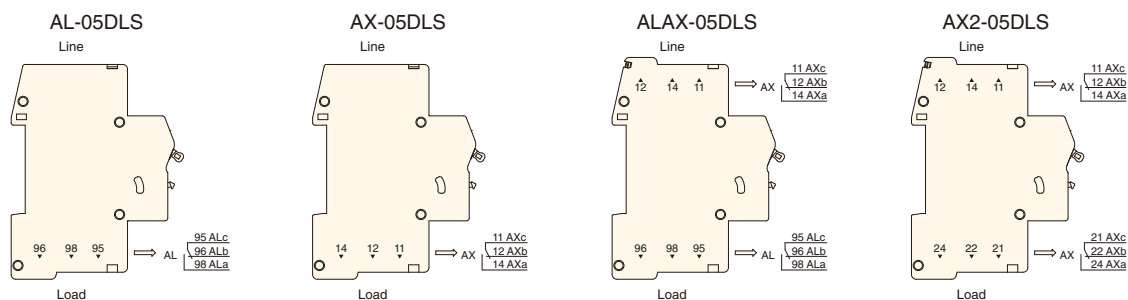
Accessory connection combinations	AL	
	AX	
	2AX	
	ALAX	
	SHT	
	AX+SHT	
	AL+SHT	
	2AX+SHT	
	ALAX+SHT	



Outer Dimensions



Connection of Line and Load Side



Characteristics and Dimensions

Miniature Circuit Breakers

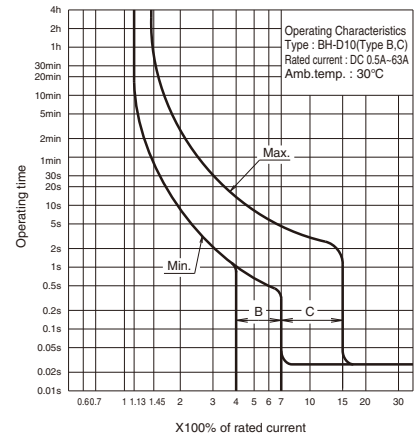
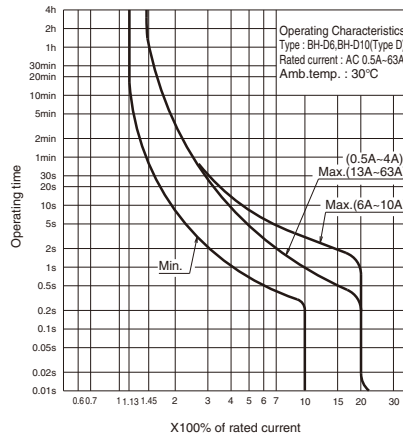
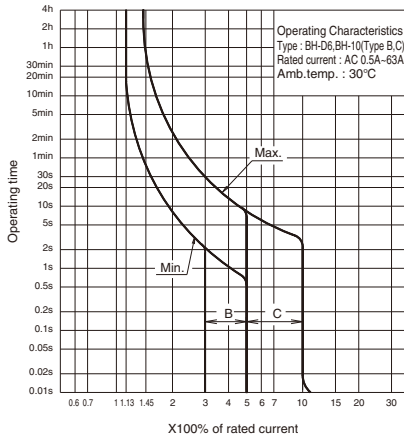
BH-D6 BH-D10



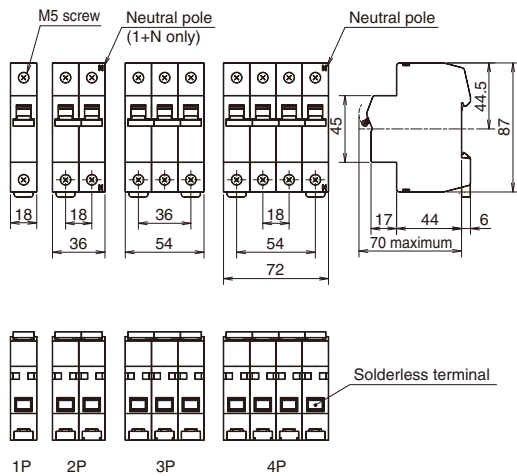
Type		BH-D6					BH-D10				BH-D10 (For DC)		
No. of poles [P]		1	2	3	4(3+N) ¹⁾	2(1+N) ¹⁾	1	2	3	4(3+N) ¹⁾	1	2	
Instantaneous tripping		Type B, C, D					Type B, C		Type B, C, D			Type B, C	
Rated insulation voltage U_i [V]		440					440				250		
Rated current I_n [A] at ambient temperature 30°C		0.5, 1, 1.6, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40, 50, 63					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, 1.6, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40, 50, 63	
Rated short-circuit capacity [kA]	IEC60898-1 GB10963.1 (lcn)	AC	230V	6	—	6	10	—	6	—	—	—	
		230/400V	6	—	—	10	—	—	—	—	—		
		400V	—	6	—	—	10	—	—	6	—		
	IEC60898-2 GB10963.2 (lcn)	DC	125V	—	—	—	—	—	10	—	—		
			250V	—	—	—	—	—	—	10	—		

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

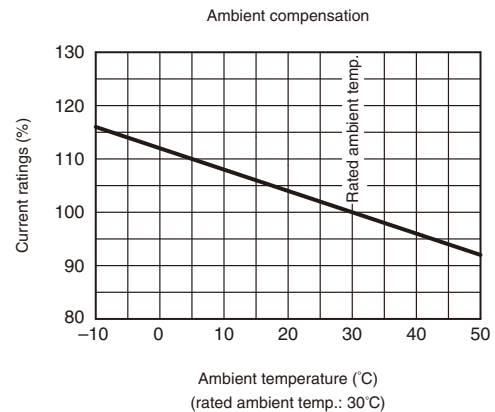
Operating Characteristics



Outer Dimensions



Ambient Compensation Curve



Characteristics and Dimensions

Miniature Circuit Breakers (MCB)

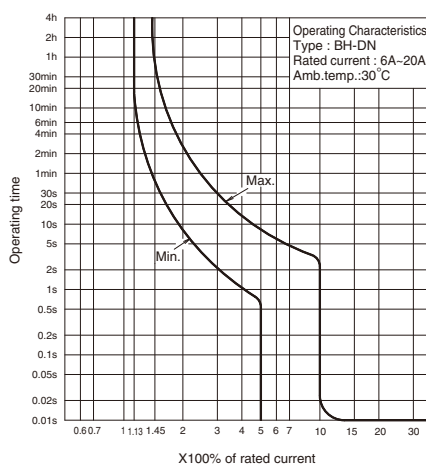
BH-DN



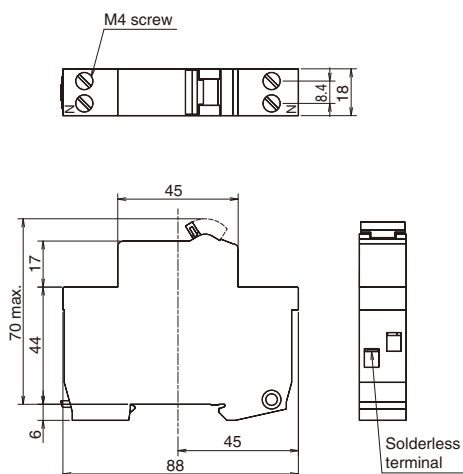
Type		BH-DN	
No. of poles [P]		2 (1+N) ^{*1}	
Instantaneous tripping		Type C	
Rated insulation voltage U_i [V]		230	
Rated current I_n [A] at ambient temperature 30°C		6, 10, 16, 20	
Rated short-circuit capacity [kA]	IEC60898-1 GB10963.1 (Icn)	AC	230V
4.5			

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

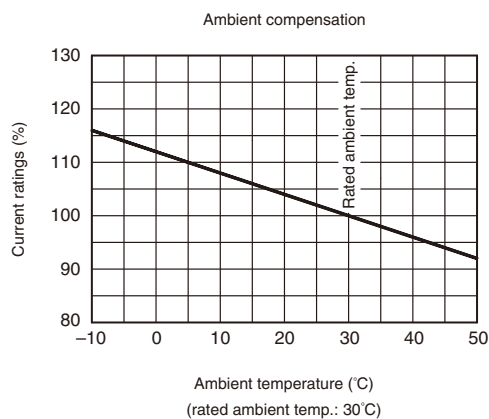
Operating Characteristics



Outer Dimensions



Ambient Compensation Curve



Characteristics and Dimensions

Residual Current Circuit Breakers (RCCB)

BV-D

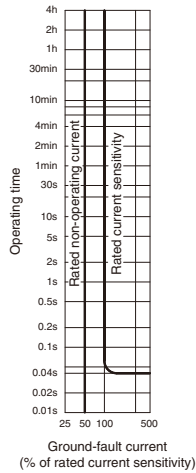


Type	BV-D	
No. of poles [P]	$2(1+N)^{+1}$	$4(3+N)^{+1-2}$
Rated operational voltage U_e [AC V]	230	230/400
Rated current I_n [A] at ambient temperature 30°C	25, 40, 63	
Rated current sensitivity $I\Delta n$ [mA]	30, 300	
Max. operating time at $5I\Delta n$ [s]	0.04	
Pulsating current sensitivity	Type AC	
Residual operation	Dependent on line voltage	
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 $I_{\Delta m}$ [A]	500(In 25,40A) 630(In63A)	
Rated conditional residual short-circuit current $I_{\Delta c}$ [kA]	6	

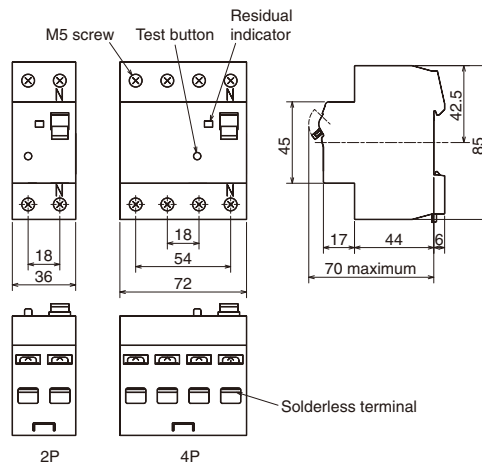
*1: N pole is a switched neutral pole (without overcurrent release device).

*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



Characteristics and Dimensions

Residual Current Circuit Breakers with Overcurrent Protection (RCBO)

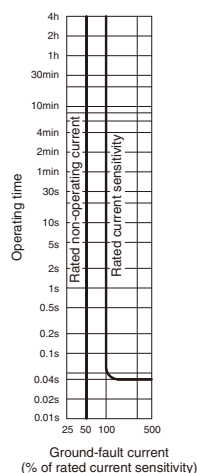
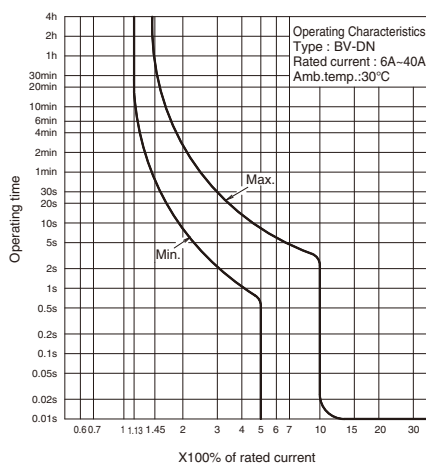
BV-DN



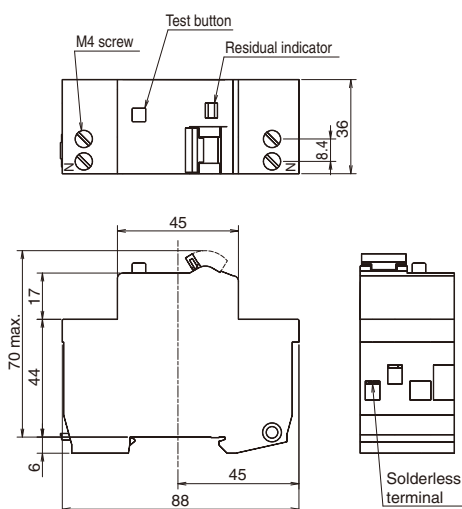
Type		BV-DN		
No. of poles [P]		2(1+N) ^{*1}		
Rated operational voltage U_e [VAC]		230		
Rated current I_n [A] at ambient temperature 30°C		6, 10, 16, 20, 25, 32, 40		
Instantaneous tripping		Type C		
Rated current sensitivity $I_{\Delta n}$ [mA]		30, 100, 300		
Max. operating time at $5I_{\Delta n}$ [s]		0.04		
Pulsating current sensitivity		Type AC		
Residual operation		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).

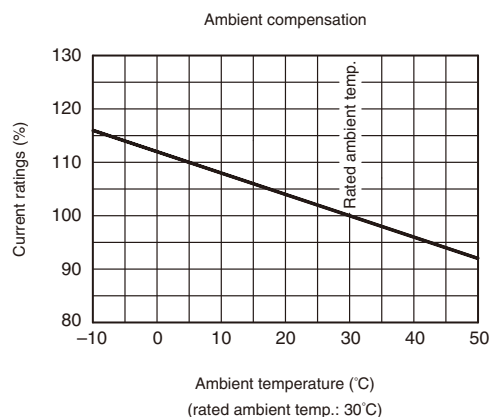
Operating Characteristics



Outer Dimensions



Ambient Compensation Curve



Characteristics and Dimensions

Isolating switches

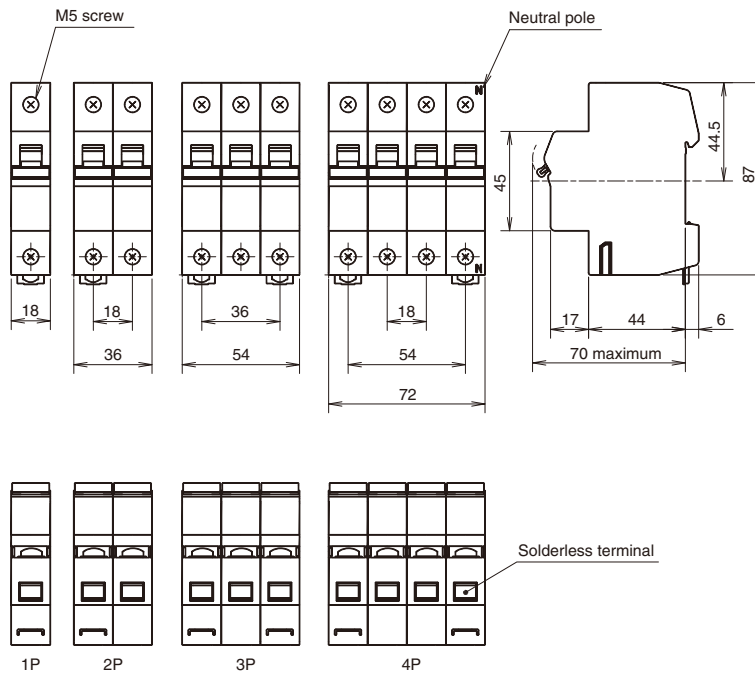
KB-D



Type	KB-D			
No. of poles [P]	1	2	3	4(3+N) ^{*1}
Utilization category	AC22A class			
Rated insulation voltage U_i [V]	250	440		
Rated voltage U_e [VAC]	230	400		
Rated current I_n [A] at ambient temperature 30°C	32, 63			
Short-time withstand current [A]	20× I_n , 1sec			
Short-time making current [A]	20× I_n			

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

Outer Dimensions



Ordering Information

Please specify items with

Type name	Number of poles	Rated current	Operating characteristics	Rated voltage	Quantity
BH-D6	1P	6A	Type C	DC	12
BH-D6 BH-D10	1P, 2P, 3P, 4P, 1P+N	0.5, 1, 1.6, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40, 50, 63A	Type B Type C Type D	Specify DC voltage when used in DC circuit	

Type name	Number of poles	Rated current	Operating characteristics	Quantity
BH-DN	1P+N	6A	Type C	12
		6, 10, 16, 20A		

Type name	Number of poles	Rated current	Quantity
KB-D	1P	32A	12
	1P, 2P, 3P, 4P	32, 63A	

Type name	Number of poles	Rated current	Rated sensitivity current	Quantity
BV-D	2P	25A	30mA	6
	2P, 4P	25, 40, 63A	30, 300mA	

Type name	Number of poles	Rated current	Rated sensitivity current	Rated voltage	Quantity
BV-DN	1P+N	6A	30mA	Type C	6
		6, 10, 16, 20, 25, 32, 40A	30, 100, 300mA		

Information from Fukuyama Works

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



Four Key Features

- ① Product Information
- ② Downloads
- ③ News
- ④ 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	Mitric 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.



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